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Chapter 1:

NGB, ANG, USAF Organizations

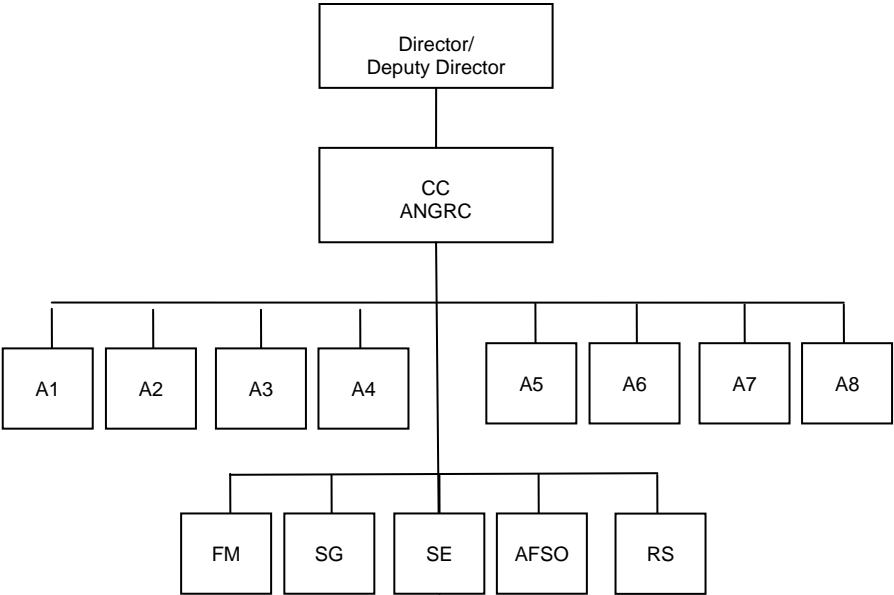
NATIONAL GUARD BUREAU

Source: NGB/CFX



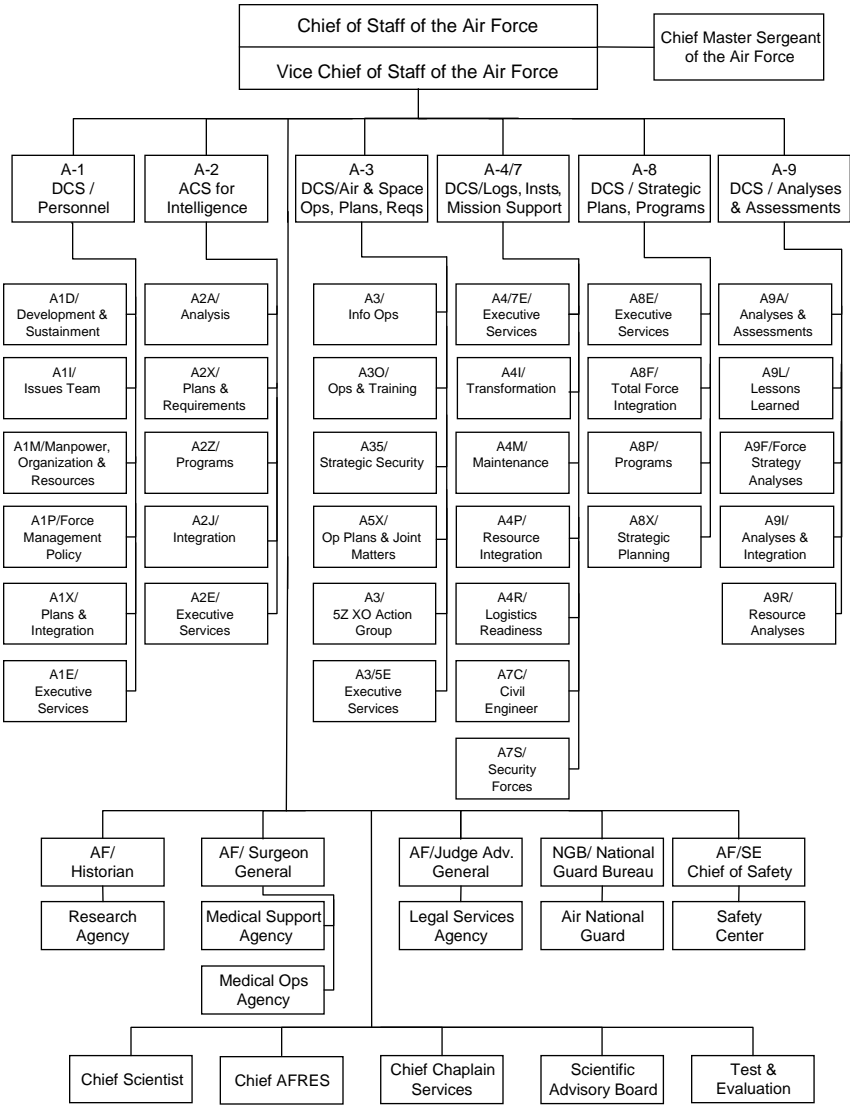
National Guard Bureau – Air Directorate

Source: NGB/CFX



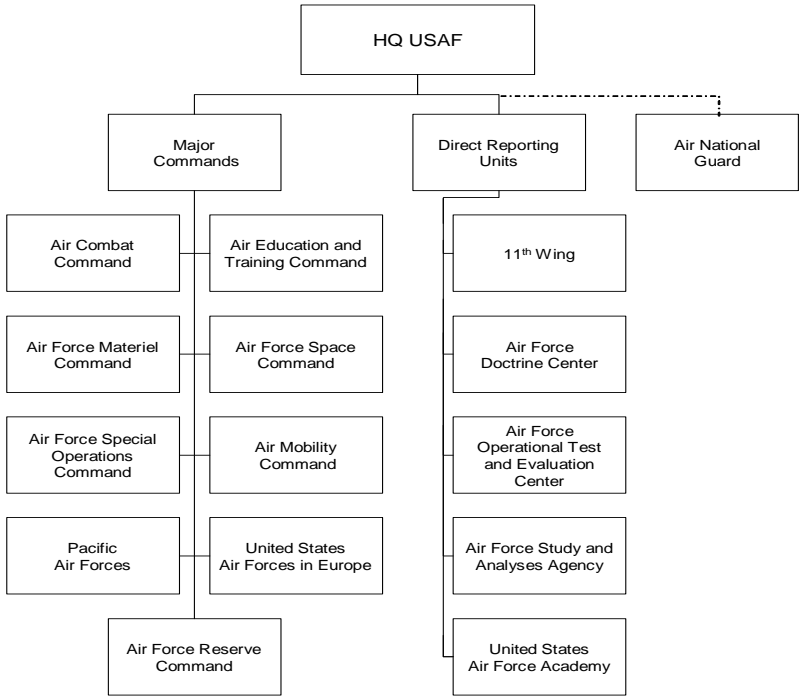
United States Air Force – Secretariat

Source: Air Force Link



United States Air Force – Operating Forces

Source: Air Force Link



Combatant Command Areas of Responsibility

Source: Defense Link

THE WORLD WITH COMMANDERS' AREAS OF RESPONSIBILITY
Part 1



Combatant Command Areas of Responsibility

Source: Defense Link

THE WORLD WITH COMMANDERS' AREAS OF RESPONSIBILITY

Part 2



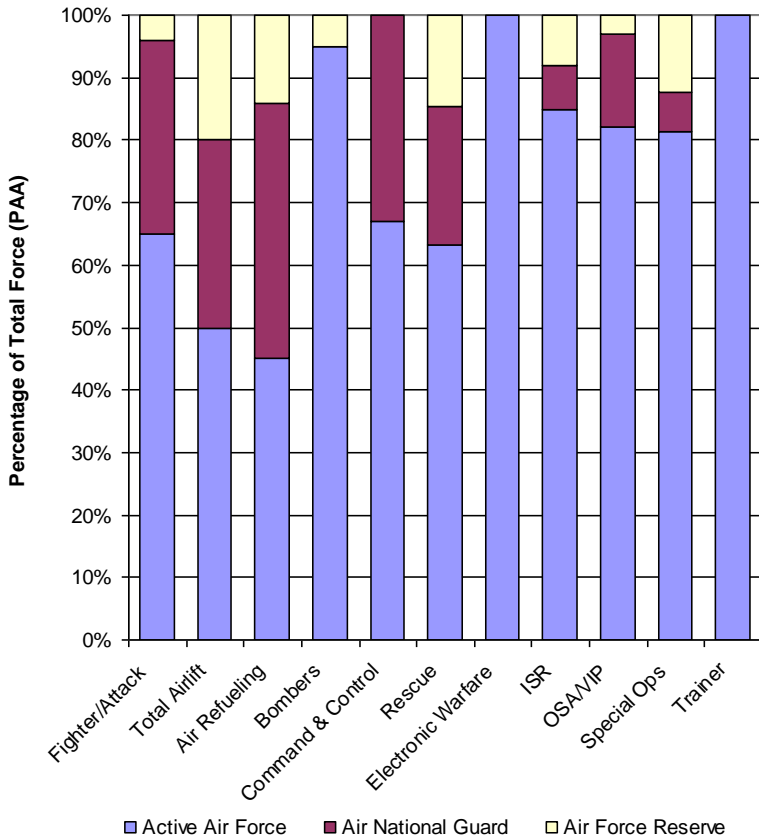
Chapter 2:

Total Force Structure

Total Force Mobility and Fighter Aircraft Inventory Comparisons

Total Force Comparison,
Select Total Force Missions FY09, Q1

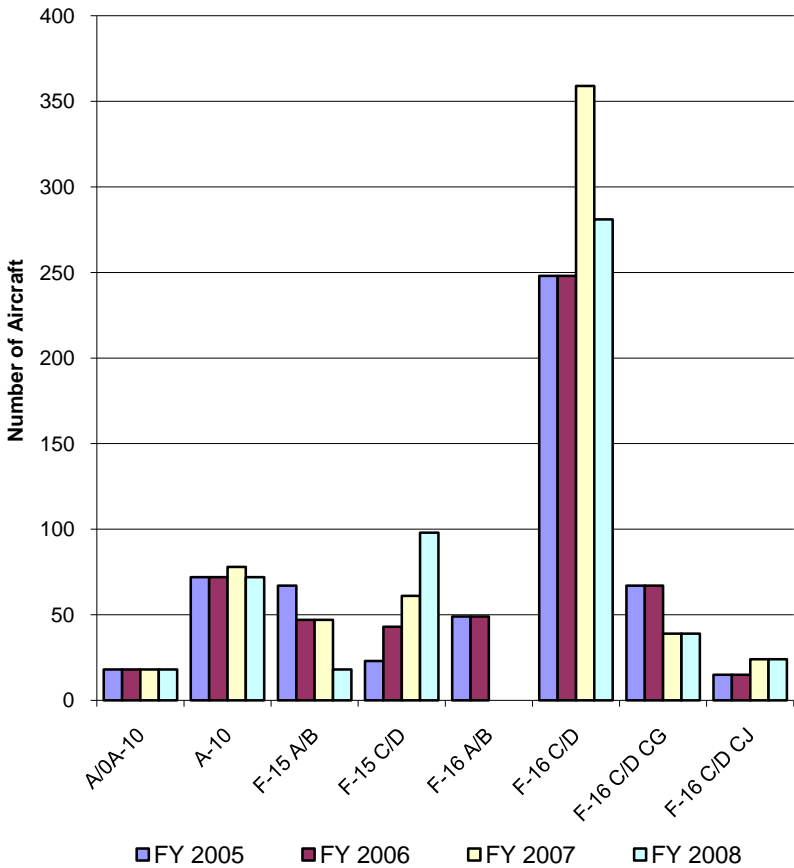
Source: NGB/A8Y



Fighter Aircraft Inventory Comparisons

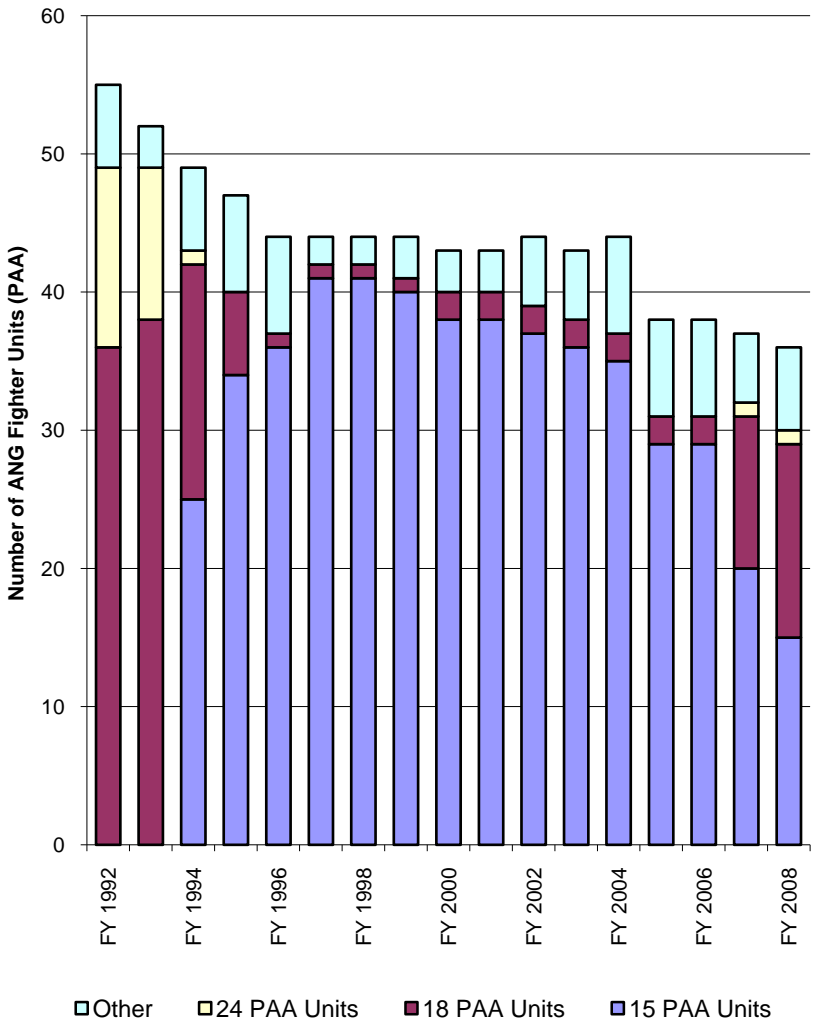
ANG Fighter Aircraft Inventory, FY05 – FY08

Source: NGB/A8Y



ANG Fighter Squadron PAA, FY92 – FY08

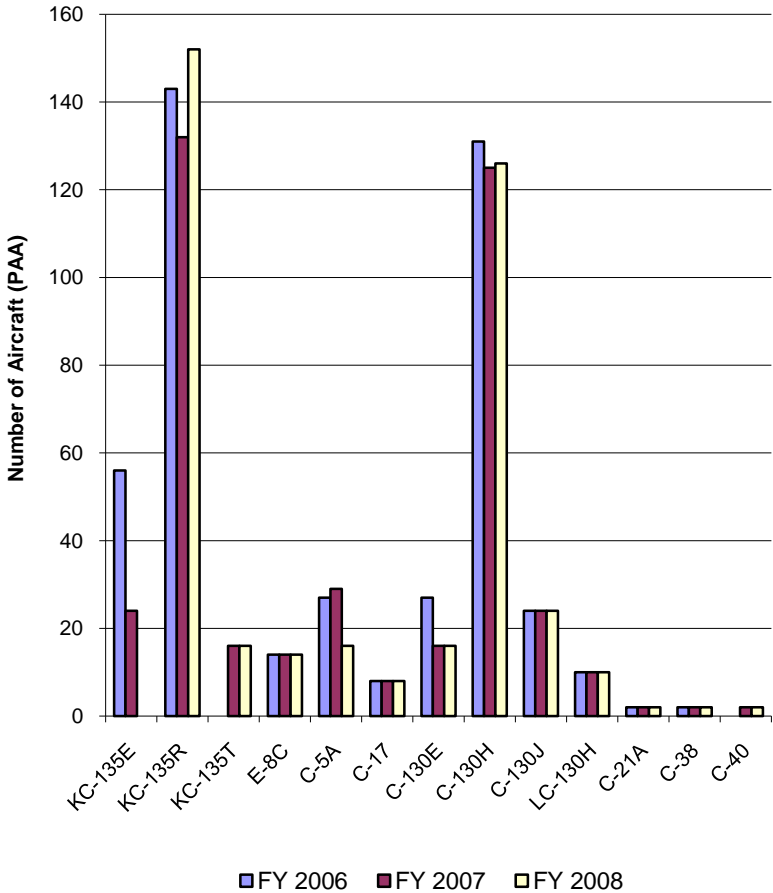
Source: NGB/A8Y



Mobility Aircraft Inventory Comparisons

ANG Mobility Aircraft Authorized Inventory
FY06 – FY08

Source: NGB/A8Y



ANG Installation, Unit & PAA by State & Territory

Source: NGB/A8Y Facts & Figures, FY09 President's Budget (PB) position

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
AL	Montgomery, Abston AGS	226 CCG			
	Birmingham Apt	117 ARW 106 ARS 117 IS	KC-135R	8	8
	Dothan, Hall AGS	280 CBCS			
	Dannelly Field	187 FW 100 FS	F-16C/D (Blk 30B)	18	18
	Anchorage, Kulis AGB	232 CBCS			
		176 WG 210 RQS 211 RQS 212 RQS 144 AS	C-130H HC-130N HH-60G	8 3 5	16
AK	Anchorage, Kulis AGB	168 ARW 168 ARS			
	Fairbanks, Eielson AFB	214 RW 214 RS	KC-135R	8	8
AZ	Papago AIN (Scottsdale)	161 ARW 197 ARS			
	Davis-Monthan AFB	214 RG 214 RS	MQ-1B	0	0
	Phoenix Sky Harbor IAP	148 FS 152 FS 195 FS	KC-135R	8	8
		AATC 162 WF	F-16C/D (FTU) (CB)	6	6

State/ Territory	Location	Unit	Aircraft Type	PAA	Total s
AR	Fort Smith MAP	188 FW 184 FS	F-16C (Blk 32)	15	15
	Hot Springs ANG Comm Site	223 CBCS			
	Jacksonville, Little Rock AFB	189 AW 154 TRS 154 W F 123 IS	C-130E (FTU)	8	8
CA	Costa Mesa AGS	222 CBCS			
	Fresno Air Terminal	144 FW 194 FS	F-16C (Blk 25)	18	18
	Hayward MAP	216 EIS 561 BAND			
	Mountain View, Moffett Field NAS	129 RQW 129 RQS 130 RQS 131 RQS	MC-130P/N HH-60G	4 5	9
	Sacramento, North Highlands AGS	149 CBCS			
	Ontario IAP	148 CBCS			
	Oxnard, Channel Island AGS	146 AW 115 AS 195 WF 562 BAND	C-130J MAFFS*	8	8
	Riverside, March ARB	163 RW 196 RS	MQ-1B	3	3
	San Diego, Miramar NAS Van Nuys, Sepulveda AGS Vandenburg AFB	147 CBCS 261 CBCS 148 SOPS			

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
CO	Greeley AGS	137 SWS			
	Aurora, Buckley AFB	140 WG 120 FS 240 CEF	F-16C/D (Blk 30)	18	18
	Colorado Springs, Peterson AFB	200 AS	C-21A	2	2
CT	New Haven, Orange AGS	103 ACS			
	Windsor Locks, Bradley IAP	103 FW 118 FS	A-10A OA-10A	6 3	9
DE	Wilmington, New Castle Co Apt	166 AW 142 AS	C-130H	8	8
DC	Camp Springs, MD Andrews AFB	113 WG 121 FS 201 AS 121 WF 231 CBCS	F-16C/D (Blk 30) C-38A C-40C	18 2 2	22
DE	Wilmington, New Castle Co Apt	166 AW 142 AS	C-130H	8	8
FL	Bradford, Camp Blanding AIN	202 RH SQ 159 WF			
	Cocoa Beach, Patrick AFB	114 CBCS			
	Jacksonville IAP	125 FW 159 FS	F-15A/C/D	15	15
	Key West, Homestead ARB	125 FW (FL ANG) Det 1			
	Tampa, MacDill AFB	290 JCSS			
	Tyndall AFB	148 FW (MN ANG) Det 1 SEADS 701 ADS 702 CSS			
GA	Brunswick, Glynco AGS	224 JCSS 165 ASOS			

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
GA	Warner Robins, Robins AFB	116 ACW 12, 16 & 128 ACCS	E-8C	14	14
	Macon, Lewis B. Wilson Apt	202 EIS			
	Marietta, Dobbins ARB	530 Band			
	Savannah, Hunter AGS	117 ACS			
	Savannah IAP	165 AW 158 AS ANG CRTC 283 CBCS	C-130H	8	8
GU	Anderson AFB	254 ABG 254 CES 254 SFS			
HI	Makakilo, Barbers Point NAS	297 ATAS			
	Kekaha, Barking Sands Annex	154 ACS			
	Hilo Comm Site	291 CBCS			
	Honolulu, Hickam AFB	154 WG 199 FS 203 ARS 204 AS 293 CBCS 201 CCG	F-15A/B KC-135R	15 4	19
	Honolulu, Wheeler AFB Kahului Comm Station	169 AC & WS 199 WF 292 CBCS			
ID	Boise Air Terminal	124 WG 190 FS 189 AS 124 ASOS 112 CACS	A-10A OA-10A C-130H	15 3 4	22
	Boise, Mountain Home AFB	266 RANS			

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
IL	Belleville, Scott AFB	126 ARW 108 ARS	KC-135R	8	8
	Greater Peoria APT	182 AW 169 AS	C-130H	8	8
	Springfield, Capital MAP	169 ASOS			
	Camp Atterbury, Edinburgh	182 ASOC			
IN	Fort Wayne IAP	122 FW 163 FS	F-16C (Blk 25)	15	15
	Indianapolis	207 WF			
	Jefferson Proving Grounds, Madison	Det 2 HQ INANG			
	Terre Haute, Hulman Regional APT	181 FW 113 FS 113 WF	F-16C/D (TBD)	0	
IA	Des Moines IAP	132 FW 124 FS	F-16C/D CG (Blk 42)	18	18
	Fort Dodge AGS	133 TS			
	Sioux City MAP	185 ARW 174 ARS	KC-135R	8	8
KS	Topeka, Forbes Field	190 ARW 117 ARS 127 WF	KC-135R	8	8
	Wichita, McConnell AFB	184 ARW 127 ARS 134 ACS 177 IAS 299 NOSS	KC-135R (TBD)	0	
KY	Louisville IAP	123 AW 165 AS 205 CBCS 123 STF	C-130H	9	9

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
LA	Pineville, Camp Beauregard	122 ASOS			
	Alexandria, Esler Airport	259 ATCS			
	Hammond AGS	236 CBCS			
	Jackson Barracks	214 EIS	F-15C/D	18	18
	New Orleans, NAS JRB	159 FW 122 FS			
ME	Bangor IAP	101 ARW 132 ARS	KC-135R	8	8
	South Portland AGS	243 EIS			
MD	Baltimore, Martin State APT	175 WG 104 FS	A-10A OA-10A	15 3	18
		135 AG 135 AS	C-130J	8	8
	Camp Fretterd	104 WF			
MA	Falmouth, Otis AGB	102 IW 101 IS	F-15A/B (TBD)	0	
		202 WF 253 CCG 267 CBCS 567 BAND			
	Milford	212 EIS			
	Westfield, Barnes MAP	104 FW 131 FS	A-10A OA-10A	12 3	15
MI	Alpena County Reg APT, ANG CRTC	ANG CRTC			
	Battle Creek, W.K. Kellogg APT	110 FW 172 FS	A-10A OA-10A	12 3	15
	Mount Clemens, Selfridge AGB	127 WG 127 ARG 171 ARS 107 FS 107 WF	F-16 C/D (Blk 30)	15	15

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
MI	Mount Clemens, Selfridge AGB	127 WG 127 ARG 171 ARS 107 FS	F-16 C/D (Blk 30) C-130E (TBD)	15 0	15
MN	Duluth IAP	148 FW 179 FS	F-16C/D (Blk 25)	15	15
MS	Gulfport-Biloxi Regional APT	ANG CRTC 209 CES 255 ACS			
	Jackson IAP	172 AW 183 AS 172 ALC FT	C-17A	8	8
	Meridian, Key Field	186 ARW 153 ARS 238 ASOS 248 ATAS	KC-135R	8	8
MO	St. Joseph, Rosecrans Mem APT	139 AW 180 AS 241 ATAS	C-130H	8	8
	St. Louis, Jefferson Barracks AGS	157 AOG 218 EIS			
	Lambert-St. Louis IAP	131 FW 110 FS 231 CEF 239 CBCS 571 BAND 110 WF	F-15C/D	15	15
MT	Great Falls IAP Great Falls, Malstrom AFB	120 FW 186 FS 219 RH FT	F-16C/D (TBD)	0	
NE	Lincoln MAP	155 ARW 173 ARS	KC-135R	8	8
	Bellevue, Offutt AFB	170 GP 170 OSS 238 CTS			
NV	Reno-Tahoe IAP	152 AW 192 AS 152 IS	C-130H	8	8

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
NH	Portsmouth, Pease AGS	157 ARW 133 ARS	KC-135R	8	8
	Atlantic City IAP	177 FW 119 FS	F-16C (Blk 25)	18	18
NJ	Wrightstown, McGuire AFB	108 ARW 141 ARS 150 ARS 227 SOF	KC-135R	8	8
NM	Albuquerque, Kirtland AFB	150 FW 188 FS	F-16C/D (Blk 30)	18	18
NY	Newburg, Stewart IAP	105 AW 137 AS	C-5A	12	12
	Niagara Falls IAP	107 AW 136 AS	KC-135R (TBD)	0	
	Rome, Griffiss Business and Technology Park	NEADS			
	Schenectady County APT	109 AW 139 AS	C-130H LC-130H	4 8	12
	Syracuse, Hancock Field	174 FW 138 FS 152 ACG 274 ASOS	F-16C (TBD)	0	
	West Hampton Beach, Francis S. Gabreski APT	106 RQW 101 RQS 102 RQS 103 RQS	HC-130P HH-60G	4 5	9
NC	Albermarle-Stanly County Regional APT	118 ASOS			
	Badin AGS	263 CBCS			
	Charlotte/Douglas IAP	145 AW 156 AS 156 WF	C-130H MAFFS*	10	10
ND	Fargo, Hector Field	119 WG 179 RS	MQ-1B	0	0
OH	Blue Ash AGS	123 ACS			

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
OH	Pt Clinton, Camp Perry AGS	200 RH SQ			
	Mansfield Lahm APT	179 AW 164 AS	C-130H	8	8
	Rickenbacker AGS, Columbus IAP	121 ARW 145 ARS 166 ARS	KC-135R	18	18
OH	Springfield-Beckly MAP	178 FW 162 FS 269 CBCS 251 CCG	F-16C/D (FTU) (Blk 30B)	12	12
	Toledo Express APT	180 FW 112 FS 555 BAND	F-16C/D CG (Blk 42)	18	18
	Zanesville	220 EIS			
OK	Oklahoma City, Will Rogers World APT	137 AW 185 ARS 205 EIS	(TBD)	0	
	Tulsa IAP	138 FW 125 FS 125 WF 219 EIS	F-16C/D CG (Blk 42)	21	21
OR	Klamath Falls IAP	173 FW 114 FS 270 ATAS	F-15A/B/C (FTU)	21	21
	Portland IAP	142 FW 123 FS 244 CBCS 272 CBCS 123 WF	F-15 A/B/C/D	15	15
	Warrenton, Camp Rilea AIN	116 ACS			
PA	Lickdale, Fort Indiantown Gap	271 CBCS 203 WF			

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
PA	AIN	211 EIS 201 RHS			
	Harrisburg IAP	193 SOW 193 SOS 193 RSG 271 CBCS 553 BAND	EC-130E EC-130J	2 3	5
	Johnstown, Cambria County APT	193 RSG			
	Pittsburgh IAP	271 CBCS 553 BAND	KC-135T	18	18
	State College AGS	112 ACS			
	Philadelphia, Willow Grove ARS	111 FW 103 FS 270 EIS	A-10A OA-10A	12 3	15
PR	Aguadilla, Punta Borinquen Radar Site	141 ACS			
	Catano, Punta Salinas AGS	140 ADS			
	San Juan, Luis Munoz-Marin IAP	156 AW 198 AS 198 WF	C-130E	8	8
RI	Coventry, Coventry AGS	102 IWS			
	Warwick, Quonset State APT	143 AW 143 AS	C-130J	8	8
	North Smithfield AGS	281 CCG 282 CBCS			
SC	Eastover, McEntire AGS	169 FW 157 FS 240 CBCS 245 ATAS	F-16C/D (Blk 52)	24	24
SD	Sioux Falls, Joe Foss Field	114 FW 175 FS	F-16C/D (Blk30)	18	18

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
TN	Alcoa AGS	119 CACS			
	Chattanooga, Lovell Field Ang Comm Site	241 EIS			
	McGhee/Tyson Airport	134 ARW 151 ARS 572 BAND 228 CBCS ANG TEC	KC-135R	9	9
	Memphis, Memphis IAP	164 AW 155 AS	C-5A	8	8
	Nashville Metropolitan APT	118 AW 105 AS 105 WF	C-130H	8	8
TX	Beaumont, Nederland Ang Comm Site	273 EIS			
	Austin, Camp Mabry Ain	209 WF			
	Fort Bliss, Biggs Aux Airfield	204 SFS			
	Fort Worth, Naval As, Forth Worth Jrb	136 AW 181 AS 181 WF 531 BAND	C-130H	8	8
	Garland, Garland AGS	254 CCG 221 CBCS			
	Houston, Ellington Field	147 RW 111 RS	MQ-1B	0	0
		147 ASOS 111 WF			
	La Porte, La Porte AGS	272 EIS			
	San Antonio, Kelly Field Annex	149 FW 182 FS	F-16C/D (FTU) (Blk 30)	18	18
UT	Ogden, Hill AFB	299 RCS			
	Salt Lake City IAP	151 ARW 191 ARS 130 EIS	KC-135R	8	8

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
UT	Salt Lake City IAP	151 ARW 191 ARS 130 EIS 109 ACS 169 IS 101 IWF	KC-135R	8	8
VT	Burlington IAP	158 FW 134 FS	F-16C (Blk 30)	18	18
VA	Virginia Beach, Camp Pendleton Ain	203 RH FT 192 FW			
VA	Hampton, Langley AFB	149 FS 192 IS 119 FW (NDANG) Det 1	F-16C/D (ASSOC)	0	
VI	St Croix AGS	285 CBCS			
WA	Cheney, McChord AFB	262 IWAS 111 ASOC WADS Det 1 HQ WA ANG 142 FW (ORANG) Det 1			
	Tacoma, Camp Murray AGS	116 ASOS 116 WF 252 CCG 241 CES 254 RHS 173 MGF 194 RSW 194 IS			
	Cheney, Four Lakes AGS	256 CBCS			
	Everett, Paine Field Ang Comm Site	215 EIS			
	Seattle Ang Comm Site	143 CBCS			

State/ Territory	Location	Unit	Aircraft Type	PAA	Totals
WA	Spokane IAP	242 CBCS			
	Spokane, Fairchild AFB	141 ARW 116 ARS 560 BAND	KC-135R (ASSOC)	0	
WV	Charleston, Yeager APT	130 AW 130 AS	C-130H	8	8
	Martinsburg, Ewv Regional APT/Shepherd Field	167 AW 167 AS	C-5A	10	10
WI	Madison, Truax Field	115 FW 176 FS	F-16C/D (Blk 30B)	18	18
WI	Milwaukee, Gen. Mitchell IAP	128 ARW 126 ARS 126 WF	KC-135R	9	9
	New Lisbon, Volk Field	ANG CRTC 128 ACS			
WY	Cheyenne Municipal APT	153 AW 187 AS 242 ATAS	C-130H MAFFS*	12	12
	Cheyenne, F.E. Warren AFB	153 CACS		0	

ANG Flying Units by Gaining Major Command

Source: NGB/A8Y Facts & Figures, FY09 President's Budget (PB) position

Air Combat Command (ACC)	
<i>Unit</i>	<i>Location</i>
A-10A Fighter/OA-10 Observation Aircraft	
103rd Fighter Wing	Bradley IAP, Connecticut
104th Fighter Wing	Barnes MPT, Massachusetts
110th Fighter Wing	W. K. Kellogg APT, Michigan
111th Fighter Wing	Willow Grove NAS, Pennsylvania
124th Wing	Boise Air Term, Idaho
175th Wing	Martin State APT, Maryland
C-130E Transport	
156th Airlift Wing	Luis Munoz Marin IAP, Puerto Rico
E-8 Joint STARS	
116th Air Control Wing	Robins AFB, Georgia
131st Fighter Wing	Lambert St. Louis IAP, Missouri
159th Fighter Wing	NAS JRB New Orleans, Louisiana
F-16 CJ Fighter	
122nd Fighter Wing	Ft Wayne IAP, Indiana
158th Fighter Wing	Burlington IAP, Vermont
174th Fighter Wing	Hancock Fld, New York
177th Fighter Wing	Atlantic City IAP, New Jersey
188th Fighter Wing	Ft Smith MPT, Illinois
F-16 CG Fighter	
132nd Fighter Wing	Des Moines IAP, Iowa
138th Fighter Wing	Tulsa IAP, Oklahoma
180th Fighter Wing	Toledo Express APT, Ohio
F-16 C/D Fighter	
113th Wing	Andrews AFB, Maryland

Air Combat Command (ACC)	
<i>Unit</i>	<i>Location</i>
F-16 C/D Fighter	
114th Fighter Wing	Joe Foss Fld, South Dakota
115th Fighter Wing	Truax Fld, Wisconsin
120th Fighter Wing	Great Falls IAP, Montana
127th Wing	Selfridge AGB, Michigan
140th Wing	Buckley AFB, Colorado
148th Fighter Wing	Duluth IAP, Minnesota
150th Fighter Wing	Kirtland AFB, New Mexico
169th Fighter Wing	McEntire AGS, South Carolina
187th Fighter Wing	Dannelly Fld, Alabama
192nd Fighter Wing	Langley AFB, Virginia
F-15 A/B Fighter Air Sovereignty	
125th Fighter Wing	Jacksonville IAP, Florida
142nd Fighter Wing	Portland IAP, Oregon
F-16 C/D Fighter Air Sovereignty	
144th Fighter Wing	Fresno Air Term, California
HC-130P/HH-60G Rescue Aircraft	
106th Rescue Wing	F. S. Gabreski APT, New York
MC-130P/HH-60G Rescue Aircraft	
129th Rescue Wing	Moffett Fld NAS, California
C-21A Transport	
140th Wing	Buckley AFB, Colorado
C-38A Transport	
113th Wing	Andrews AFB, Maryland
Predator Units	
119th Wing	Hector Field, North Dakota
147th Reconnaissance Wing	Ellington Fld, Texas
163rd Reconnaissance Wing	March ARB, California
214th Reconnaissance Group	Davis-Monthan AFB, Arizona
Air Mobility Command (AMC)	
C-5A Transport	
105th Airlift Wing	Stewart IAP, New York
164th Airlift Wing	Memphis IAP, Tennessee

Air Mobility Command (AMC)	
<i>Unit</i>	<i>Location</i>
LC-130 Transport	
109th Airlift Wing	Schenectady Co APT, New York
C-17A Transport	
172nd Airlift Wing	Jackson IAP, Mississippi
C-130E Transport	
133rd Airlift Wing	Minn St. Paul IAP, Minnesota
182nd Airlift Wing	Gtr Peoria APT, Illinois
C-130H Transport	
107th Airlift Wing	Niagara Falls IAP, New York
109th Airlift Wing	Schenectady Co APT, New York
118th Airlift Wing	Nashville Metro APT, Tennessee
123rd Airlift Wing	Louisville IAP, Kentucky
130th Airlift Wing	Yeager APT, West Virginia
136th Airlift Wing	Dallas NAS, Texas
139th Airlift Wing	Rosecrans Mem APT, Missouri
145th Airlift Wing	Charlotte-Douglas IAP, North Carolina
152nd Airlift Wing	Reno Tahoe IAP, Nevada
153rd Airlift Wing	Cheyenne MPT, Wyoming
165th Airlift Wing	Savannah IAP, Georgia
166th Airlift Wing	New Castle Co APT, Delaware
167th Airlift Wing	EWVR APT/Shepherd, West Virginia
179th Airlift Wing	Mansfield-Lahm APT, Ohio
C-130J Transport	
135th Airlift Group	Martin State APT, Maryland
143rd Airlift Wing	Quonset State APT, Rhode Island
146th Airlift Wing	Channel Island AGS, California

Air Mobility Command (AMC)	
KC-135E Tanker	
101st Air Refueling Wing	Bangor IAP, Maine
108th Air Refueling Wing	McGuire AFB, New Jersey
126th Air Refueling Wing	Scott AFB, Illinois
134th Air Refueling Wing	McGhee/Tyson APT, Tennessee
151st Air Refueling Wing	Salt Lake City IAP, Utah
171st Air Refueling Wing	Pittsburg IAP, Pennsylvania
185th Air Refueling Wing	Sioux Gateway APT, Iowa
190th Air Refueling Wing	Forbes Fld, Kansas
KC-135R Tanker	
117th Air Refueling Wing	Birmingham APT, Alabama
121st Air Refueling Wing	Rickenbacker AGB, Ohio
128th Air Refueling Wing	Gen. Mitchell IAP, Wisconsin
137th Air Refueling Wing	Will Rogers Wld APT Oklahoma
141st Air Refueling Wing	Fairchild AFB, Washington
155th Air Refueling Wing	Lincoln MPT, Nebraska
157th Air Refueling Wing	Pease AGS, New Hampshire
161st Air Refueling Wing	Phoenix-Sky Harbor IAP, Arizona
186th Air Refueling Wing	Key Fld, Mississippi
Air Education and Training Command (AETC)	
F-15 A/B Fighter	
173rd Fighter Wing	Klamath Falls IAP (FTU), Oregon
F-16 C/D Fighter	
149th Fighter Wing	Kelly Field Annex (FTU), Texas
162nd Fighter Wing	Tucson IAP (FTU), Arizona
178th Fighter Wing	Springfield-Beckley MPT (FTU), Ohio
C-130E Training	
189th Airlift Wing	Little Rock AFB (FTU), Arkansas
MQ-1 Predator	
Det 26, 372 TRS, 982 TRG,	March ARB (FTD, California

Pacific Air Command (PACAF)	
C-130H Transport	
176th Wing (144 AS)	Kulis AGB, Alaska
F-15 A/B Fighter	
154th Wing (199 FS)	Hickam AFB, Hawaii
KC-135R Tanker	
154th Wing (203 ARS)	Hickam AFB, Hawaii
168th Air Refueling Wing	Eielson AFB, Alaska
HC-130N/HH-60G	
176th Wing (210 RQS)	Kulis AGB, Alaska
Air Force Special Operations Command (AFSOC)	
EC-130E/J	
193rd Special Operations Wing	Harrisburg IAP, Pennsylvania

Numerical List of Flying Units

Source: NGB/A8Y Facts & Figures

UNIT	LOCATION	ST	SQD / MDS	MAJCOM
101 ARW	Bangor IAP	ME	132 ARS / KC-135R	AMC
102 FW	Otis AGB	MA	101 FS / (TBD)	ACC
103 FW	Bradley IAP	CT	118 FS / A-10A/OA-10A	ACC
104 FW	Barnes MPT	MA	131 FS / A-10A/OA-10A	ACC
105 AW	Stewart IAP	NY	137 AS / C-5A	AMC
106 RQW	F. S. Gabreski APT	NY	101, 102, 103 RQS HC-130P/HH-60G	ACC
107 ARW	Niagara Falls IAP	NY	136 ARS / KC-135R	AMC
108 ARW	McGuire AFB	NJ	141 ARS, 150 ARS / KC- 135R	AMC
109 AW	Schenectady Co APT	NY	139 AS / C-130H/LC-130H	AMC
110 FW	W. K. Kellogg APT	MI	172 FS / A-10A/OA-10A	ACC
111 FW	Willow Grove NAS	PA	103 FS / A-10A/OA-10A	ACC
113 WG	Andrews AFB	MD	121 FS, 201 AS F-16C/D / C-38A/C-40C	ACC
114 FW	Joe Foss FLD	SD	175 FS / F-16C/D	ACC
115 FW	Truax FLD	WI	176 FS / F-16C/D	ACC
116 ACW	Robins AFB	GA	128 ACC / E-8C	ACC
117 ARW	Birmingham APT	AL	106 ARS / KC-135R	AMC

UNIT	LOCATION	ST	SQD / MDS	MAJCOM
118 AW	Nashville Metro APT	TN	105 AS / C-130H	AMC
119 WG	Hector IAP	ND	178 RS/MQ-1B (+C-21)	ACC/AMC
120 FW	Great Falls IAP	MT	186 FS / (TBD)	ACC
121 ARW	Rickenbacker AGS	OH	145 ARS, 166 ARS / KC-135R	AMC
122 FW	Ft Wayne IAP	IN	163 FS / F-16C/D	ACC
123 AW	Louisville IAP	KY	165 AS / C-130H	AMC
124 WG	Boise Air Term	ID	189 AS, 190 FS C-130H / A-10A/OA-10A	AMC
125 FW	Jacksonville IAP	FL	159 FS / F-15A/C/D	ACC
126 ARW	Scott AFB	IL	108 ARS / KC-135R	AMC
127 WG	Selfridge AGB	MI	107 FS, 171 AS F-16C/D / (TBD)	ACC
128 ARW	Gen. Mitchell IAP	WI	126 ARS / KC-135R	AMC
129 RQW	Moffett FLD NAS	CA	129, 130, 131 RQS MC-130P/HH-60G	ACC
130 AW	Yeager APT	WV	130 AS / C-130H	AMC
131 FW	Lambert St Louis IAP	MO	110 FS / F-15C/D	ACC
132 FW	Des Moines IAP	IA	124 FS / F-16C/D	ACC
133 AW	Minn St Paul IAP	MN	109 AS / C-130H	AMC
134 ARW	McGhee/Tyson APT	TN	151 ARS / KC-135R	AMC
135 AG	Martin State APT	DC	135 AS, 104 FS C-130J / A-10A/OA-10A	AMC

UNIT	LOCATION	ST	SQD / MDS	MAJCOM
136 AW	Naval AS Forth Worth	TX	181 AS / C-130H	AMC
137 AW	Will Rogers Wld APT	OK	185 AS / ASSOC (TBD)	AMC
138 FW	Tulsa IAP	OK	125 FS / F-16C/D	ACC
139 AW	Rosecrans Mem APT	MO	180 AS / C-130H	AMC
140 WG	Buckley AFB	CO	120 FS / F-16C/D	ACC
140 WG	Peterson AFB	CO	200 AS / C-21A	ACC
141 ARW	Fairchild AFB	WA	116 ARS / KC-135R (ASSOC)	AMC
142 FW	Portland IAP	OR	123 FS / F-15A/B/C/D	ACC
143 AW	Quonset St APT	RI	143 AS / C-130J	AMC
144 FW	Fresno Air Term	CA	194 FS / F-16C	ACC
145 AW	Charlotte-Douglas IAP	NC	156 AS / C-130H	AMC
146 AW	Channel Island AGS	CA	115 AS / C-130J	AMC
147 RW	Ellington FLD	TX	111 RS / MQ-1B	ACC
148 FW	Duluth IAP	MN	179 FS / F-16C	ACC
149 FW	Kelly Field Annex	TX	182 FS / F-16C/D	AETC
150 FW	Kirtland AFB	NM	188 FS / F-16C/D	ACC
151 ARW	Salt Lake City IAP	UT	191 ARS / KC-135R	AMC
152 AW	Reno Tahoe IAP	NV	192 AS / C-130H	AMC
153 AW	Cheyenne MPT	WY	187 AS / C-130H	AMC

UNIT	LOCATION	ST	SQD / MDS	MAJCOM
154 WG	Hickam AFB	HI	199 FS, 203 ARS, 204 AS F-15A/B / KC-135R	PACAF
155 ARW	Lincoln MPT	NE	173 ARS / KC-135R	AMC
156 AW	Luis Munoz Marin IAP	PR	198 AS / C-130E	ACC
157 ARW	Pease AGS	NH	133 ARS / KC-135R	AMC
158 FW	Burlington IAP	VT	134 FS / F-16C	ACC
159 FW	NAS JRB New Orleans	LA	122 FS / F-15C/D	ACC
161 ARW	Phoenix-Sky Harbor IAP	AZ	197 ARS / KC-135R	AMC
162 FW	Tuscon IAP (FTU)	AZ	148,152, 195 FS, AATC F-16A/B / F-16C/D	AETC
163 RW	March AFB	CA	196 RS / MQ-1B	ACC
164 AW	Memphis IAP	TN	155 AS / C-5A	AMC
165 AW	Savannah IAP	GA	158 AS / C-130H	AMC
166 AW	New Castle Co APT	DE	142 AS / C-130H	AMC
167 AW	EWVR Apt/Shepherd	WV	167 AS / C-5A	AMC
168 ARW	Eielson AFB	AK	168 ARS / KC-135R	AMC
169 FW	McEntire AGS	SC	157 FS / F-16C/D	ACC
171 ARW	Pittsburgh IAP	PA	146 ARS, 147 ARS / KC-135T	AMC
172 AW	Jackson IAP	MS	183 AS / C-17	AMC
173 FW	Klamath Falls IAP	OR	114 FS / F-15A/B/C	AETC
174 FW	Hancock FLD	NY	138 FS / (TBD)	ACC

UNIT	LOCATION	ST	SQD / MDS	MAJCOM
176 WG	Kulis AGB	AK	144 AS, 210,211,212 RQS C-130H / HC-130N/HH-60G	PACAF
177 FW	Atlantic City IAP	NJ	119 FS / F-16C	ACC
178 FW	Springfield-Beckley MPT	OH	162 FS / F-16C/D	AETC
179 AW	Mansfield-Lahm APT	OH	164 AS / C-130H	AMC
180 FW	Toledo Express APT	OH	112 FS / F-16C/D	ACC
181 FW	Hulman Regional APT	IN	113 FS / TBD	ACC
182 AW	Gtr Peoria APT	IL	169 AS / C-130H	AMC
183 FW	Capital MPT	IL	170 FS / F-16C/D	ACC
184 ARW	McConnell AFB	KS	127 ARS / TBD	AMC
185 ARW	Sioux Gateway APT	IA	174 ARS / KC-135R	AMC
186 ARW	Key FLD	MS	153 ARS / KC-135R	AMC
187 FW	Dannelly FLD	AL	100 FS / F-16C/D	ACC
188 FW	Ft Smith MPT	AR	184 FS / F-16C	ACC
189 AW	Little Rock AFB (FTU)	AR	154 AS / C-130E	AETC
190 ARW	Forbes FLD	KS	117 ARS / KC-135R	AMC
192 FW	Langley AFB	VA	149 FS / F-16C/D (ASSOC)	ACC
193 SOW	Harrisburg IAP	PA	193 SOS / EC-130E/EC- 130J	AFSOC

Base Types and Locations

All USAF Active Duty, AFR, ANG Bases & Facilities that have ANG Presence

Source: NGB/A7

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
AL	Abston	S									✓		
	Birmingham	F		✓									
	Montgomery Regional	F		✓									
	Dothan	S									✓		
	Martin	X									✓		
	Maxwell	N					✓						
AK	Eielson	F					✓						
	Elmendorf	S					✓						
	Ted Stevens-Anchorage	F		✓									
AZ	Davis-Monthan	S					✓						
	Fort Huachuca	S				✓							
	Luke	N					✓						
	Papago - Phoenix	S									✓		
	Phoenix Sky Harbor	F		✓									
	Tucson	F		✓									
AR	Fort Chaffee	S	✓										
	Hot Springs	S									✓		
	Little Rock	F					✓						
	Fort Smith	F		✓									
CA	Beale	N					✓						
	Channel Island	F						✓					
	Costa mesa	S									✓		
	Edwards	N					✓						
	Fresno Air Terminal	F		✓									
	Hayward MAP	S									✓		

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
CA	Los Angeles	N					✓						
	March ARB	F								✓			
	Moffet Federal Field	F			✓								
	North Highlands	S									✓		
	San Diego	S									✓		
	Sepulveda	S									✓		
	Travis	N					✓						
	Vandenburg	N					✓						
CO	Buckley	F					✓						
	Fort Carson	S	✓			✓							
	Greeley	S									✓		
	Peterson	F					✓						
	Schriever	N					✓						
	USAF Academy	N					✓						
CT	Bradley	F		✓									
	Orange	S									✓		
DE	New Castle County	F		✓									
	Dover	N					✓						
DC	Bolling	N					✓						
FL	Camp Blanding	S									✓		
	Eglin	N					✓						
	Homestead	F								✓			
	Hurlburt	N					✓						
	Jacksonville	F		✓									
	MacDill	S					✓						
	Patrick	S					✓						
	Tyndall	N					✓						

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
GA	Dobbins ARB	S								✓			
	Glynco	S									✓		
	Hunter	S				✓							
	Middle Georgia Regional	S		✓									
	Moody	N					✓						
	Robins	F					✓						
	Savannah - Hilton Head	F		✓									
	Savannah Comm.	S									✓		
	Townsend	S	✓										
GU	Andersen	S					✓						
HI	Kalaeloe (Barbers Pt)	S				✓							
	Kekaha (Barking Sands)	S									✓		
	Hickam	F					✓						
	Keaukaha (Hilo Comm.)	S									✓		
	Kahului Comm.	S									✓		
ID	Boise Air Terminal	F		✓									
	Mtn. Home	N					✓						
IL	Abraham Lincoln-Capital	F		✓									
	Greater Peoria	F		✓									
	Scott	F					✓						
IN	Atterbury	S	✓										
	Grissom ARB	N								✓			
	Hulman Regional	F		✓									
	Jefferson Proving	S	✓										
	Fort Wayne	F		✓									
IA	Des Moines	F		✓									
	Fort Dodge	S									✓		
	Sioux Gateway-Bud Day	F		✓									

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
KS	Forbes Field	F		✓									
	McConnell	S					✓						
	Smoky Hill	S	✓										
KY	Louisville	F		✓									
LA	Alexandria Int'l	S		✓									
	Barksdale	N					✓					✓	
	Camp Beauregard	S				✓					✓		
	Hammond Comm.	S									✓		
	Jackson Barracks	S									✓		
	NAS JRB New Orleans	F						✓				✓	
ME	Bangor	F		✓									
	South Portland	S									✓		
MD	Andrews	F					✓						
	Martin State	F		✓									
MA	Barnes	F		✓									
	Hanscom	N					✓						
	Milford	S									✓		
	Otis	F							✓				
	Westover	N										✓	
MI	Alpena	S		✓									✓
	Grayling	S	✓										
	W.K. Kellogg	F		✓									
	Selfridge	F							✓				
MN	Duluth	F		✓									
	Minneapolis	F								✓		✓	
MS	Arkabutla Lake	S											✓
	Columbus	N				✓							
	Gulfport	S		✓									✓
	Jackson	F		✓									
	Keesler	N					✓						

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
	Key Field	F		✓									
MS	Camp Shelby	S	✓										
MO	Jefferson Barracks	S									✓		
	Lambert-St. Louis	F		✓									
	Ft. Leonard Wood	S	✓										
	Rosecrans Mem.	F		✓									
	Whiteman	N					✓						
MT	Great Falls	F		✓									
	Malmstrom	N					✓						
NE	Lincoln	F		✓									
	Offutt	N					✓						
NV	Reno-Tahoe	F		✓									
	Nellis	N					✓						
NH	Pease Intl. Tradeport	F		✓									
NJ	Atlantic City	F		✓	✓								
	Warren Grove	S	✓										
	McGuire	F					✓						
	Coyle	S	✓										
NM	Cannon	N					✓						
	Holloman	N					✓						
	Kirtland	F					✓						
NY	Ft. Drum	S	✓										
	F.S. Gabreski	F		✓									
	N.E.A.D.S. (Rome)	S									✓		
	Hancock Field	F		✓									
	Niagara Falls	F								✓			
	Schenectady County	F		✓									
	Stewart	F		✓									
NC	Badin	S									✓		
	Charlotte/Douglas	F		✓									

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
NC	Pope	N					✓						
	Seymour Johnson	N					✓						
	Stanly County	S									✓		
ND	Grand Forks	N					✓						
	Hector	F		✓									
	Minot	N					✓						
OH	Blue Ash	S									✓		
	Mansfield-Lahm	F		✓									
	Camp Perry	S									✓		
	Plumbrook	S			✓								
	Rickenbacker IAP	F		✓									
	Springfield-Beckley	F		✓									
	Toledo Express	F		✓									
	Wright Patterson	N		✓			✓						
	Youngstown-Warren (ARS)	N		✓								✓	
	Zanesville	S									✓		
OK	Altus	S									✓		
	Tinker	F					✓						
	Tulsa	F		✓									
	Vance	N					✓						
	Will Rogers World	S		✓									
OR	Klamath Falls-Kingsley Field	F		✓									
	Portland	F		✓									
	Camp Rilea	S									✓		
PA	Ft. Indiantown Gap	S	✓			✓							
	Harrisburg	F		✓									
	Johnstown	S									✓		
	Pittsburgh	F		✓									
	State College	S									✓		
	Willow Grove	F										✓	

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
PR	Fort Allen	N				✓					✓		
	Luis Munoz	F		✓									
	Punta Boriquen	S									✓		
	Punta Salinas	S									✓		
RI	Coventry	S									✓		
	North Smithfield	S									✓		
	Quonset State	F		✓									
SC	Charleston	N					✓					✓	
	McEntire	F										✓	✓
	Shaw	N					✓						
SD	Ellsworth	N					✓						
	Joe Foss Field	F		✓									
TN	Arnold	N					✓						
	Lovell Field	S									✓		
	McGhee Tyson	F		✓									
	Memphis	F		✓									
	Nashville	F		✓									
TX	Fort Bliss	S				✓							
	Brooks	N					✓						
	Carswell ARB	F								✓			
	Dyess	N					✓						
	Ellington Field	F		✓									
	Garland	S									✓		
	Goodfellow	N											
	Hensley	S									✓		
	Kelly Field Annex	F					✓						
	Lackland	S					✓						
	LaPorte Laughlin	S									✓		
	Camp Mabry	S									✓		
	McMullen	S	✓					✓					

Installations by State		ANG Flying (F) or Support (S) or Neither (N)	Range	Civilian Airport	NASA Facility	Army Post	USAF Base	Naval Air Stations	ANG Base	AFRC Base	GSU	AFR Support	Other
State	Installation												
UT	Randolph	N					✓					✓	
	Sheppard	N					✓						
	Francis Peak	S									✓		
	Hill	N										✓	
	Salt Lake City	F		✓									
VT	Burlington	F		✓									
VA	Langley	F					✓						
	Camp Pendleton	S									✓		
	Richmond	S									✓		
VI	St. Croix	S									✓		
WA	Camp Murray	S									✓		
	Four Lake Comm.	S									✓		
	McChord	S					✓						
	Seattle	S									✓		
	Spokane	S									✓		
	Paine Field	S									✓		
	Fairchild	F					✓						
WV	EW RVA Shepherd	F		✓									
	Yeager	F		✓									
WI	Dane County-Truax	F		✓									
	General Mitchell	F		✓									
	Hardwood	S	✓										
	Volk Field	S											✓
WY	Cheyenne	F		✓									
	Francis E. Warren	N					✓						

Installation Overview	
Type	Number of Facilities
Ranges	15
Civilian Airports	69
NASA Facilities	3
Army Posts	9
USAF Bases	62 (22 Guard Presence)
Naval Air Stations	3
ANG Bases	2
AFRC Bases	7
GSU	54
AFR Support	9
Other	5
Total ANG Sites	177

ANG Range Disposition

Source: NGB/A3 and NGB/A1M Ranges and Airspace Division

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Full-time/Military) (Authorized/Funded)
Primary Training Ranges			
Airburst Primary Training Range, CO	Parent: 140WG (F-16C), Buckley AFB, Denver, CO Scheduler: 140WG DET DSN: 691-3273 Com: (719) 526-3273	Ordnance: 20MM, 30MM 7.62MM, BDU-33, MK-106, 2.75"Rx (lead head), heavyweight inerts up to 2000 lbs, Mk-24 illumination flares, countermeasures flares, 40MM grenades, limited LGB/JDAM deliveries, no live ordnance Night Ops: Yes; ground illuminated bomb circle; airborne flares may be approved on a case-by-case basis, infrared (IR) targets, night vision goggles (NVG) operations Spec Cap: Combat LASER approved, LASER camera for LASER boresight, SOFLAM LTD, SeeSpot Threat Sim: Smoky SAMs (SS), RWR LTE, MWS Simulator Drop Zones: 1 for C-130/C-17/Helo.	Full Time: 12 Military: 14 Officers: 2/2 Enlisted: 12/10
Atterbury Primary Training Range, IN	Parent: Joint Forces Air Command, Indiana ANG, Stout Field, Indianapolis, IN Scheduler: Atterbury Range DSN: 569-2114 Com: (812) 526-1114	Ordnance: 20MM, 30MM, 7.62MM, BDU-33/MK-106, MK 82 (inert), MK 84 (inert), 2.75" RX (lead head and BDU) Night Ops: Yes Spec Cap: Laser Target Designator Scoring System (LTDSS), Laser certified, Laser Designator, SLT Threat Sim: SS, RWR LTE, well-developed threat packages, chaff and flares Drop Zones: No	Full Time: 13 Military: 14 Officers: 2/2 Enlisted: 11/11

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Full-time/Military) (Authorized/Funded)
Bollen Primary Training Range, PA	Parent: 193 SOW, Middletown, PA Scheduler: DET1, 193 SOW, Annville, PA DSN: 423-1136 Com: (717) 861-1136	Ordnance: 20MM, 30MM, 7.62MM, BDU-33, MK-106, 2.75" Rx (lead head), BDU-50/56, LGB Night Ops: Yes; covert lighting, AAA/small arms simulator Spec Cap: 4 staff JTACs(TAC-I/SEE), LTD Threat Sim: SS, self defense flares, Laser ops, heated IR targets, RWR LTE Drop Zones: 2 drop zones for TAC Airlift Ops. (day/night/conventional/covert lighting)	Full Time: 8 Military: 10 Officers: 2/2 Enlisted: 9/6
Cannon Primary Training Range, MO	Parent: 131FW (F-15 C/D), St Louis, MO Scheduler: 131FW/DET 1 Cannon Range through Fort Leonard Wood (US Army) DSN: 824-7297 Com: (314) 527-7297	Ordnance: 20MM, 30MM, BDU-33, MK-106, 2.75" Rx (lead head), heavyweight inerts, countermeasures chaff and flares Night Ops: Yes, NVG equipped, no illum flares Spec Cap: mobile IR target, combat laser, LTD, SeeSpot, IR Marker, SADL Gateway Drop Zones: 3 certified drop zones, "Sling Shot" and "Cannon Free Fall"	Full Time: 11 Military: 14 Officers: 2/2 Enlisted: 12/9
Adirondack Intermediate Range, NY	Parent: 174FW (F-16C/D), Hancock Field, Syracuse, NY Scheduler: 174FW Range Ops Officer DSN: 772-5990 /2835 Com: 315-772-5990	Ordnance: 20MM(TP/HE), 30MM(TP/HE), 7.62MM, BDU-33, MK 81/82/84 (inert), 2.75" Rx (TP/HE) Main Impact Area: same + 20/30MM(HEI), live MK 82s, MK-20s, 2.75" Rx (WP/TP/HE) Night Ops: Yes Spec Cap: SOFLAM LTD, LSTSS; mobile active IR target (no-drop), mover strafe, pop-up targets Threat Sim: Smoky SAMs; RWR LTE; WRETS;chaff/flares may be used in Main Impact Area Drop Zones: No	Full Time: 11 Military: 14 Officers: 2/2 Enlisted: 12/12

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Full-time/Military) (Authorized/Funded)
Grayling Intermediate Training Range, MI	<p>Parent: Alpena Combat Readiness Training Center (CRTC), Alpena County Airport, Alpena, MI</p> <p>Scheduler: Grayling Air Gunnery Range DSN: 741-3335 Com: (989) 939-8880</p>	<p>Ordnance: Main impact area: 20MM(TP), 30MM(TP), 7.62MM, BDU-33/MK-106, MK 82/84 (inert), LGB, 2.75" Rx(lead head), Artillery Impact Area (air score only) live ordnance up to MK 82, Rx(WP/HEI), Strafe(HEI)</p> <p>Night Ops: Yes, NVG capable/compatible</p> <p>Spec Cap: SOFLAM LTD, LES-M, IR Marker, SeeSpot</p> <p>Threat Sim: JTE, RWR LTE, SS, aircraft can employ chaff (with specific authorization) and flares</p> <p>Drop Zones: 2</p>	<p>Full Time: 8 Military: 8 Officers: 2/1 Enlisted: 10/7</p>
Hardwood Intermediate Training Range, WI	<p>Parent: ANG CRTC, Volk Field ANG Base, Camp Douglas, WI</p> <p>Scheduler: ANG Combat Readiness Training Center DSN: 871-1555 Com: (608) 427-1555</p>	<p>Ordnance: 20MM, 30MM, 7.62MM, .50 cal, BDU-33, BDU-38, MK-76, MK-106, MK 81/82/84/117 (inert). LGB: 2.75" Rx (lead)</p> <p>Night Ops: Yes</p> <p>Spec Cap: Target IR Sources, no-drop scoring through ACTS/ACMI</p> <p>Threat Sim: SS, flare, ACTS linked single-digit SAM and AAA unmanned threat emitters systems (UMTES), RWR LTE</p> <p>Drop Zones: No</p>	<p>Full Time: 8 Military: 8 Officers: 2/2 Enlisted: 10/6</p>
Jefferson Primary Training Range, IN	<p>Parent: Joint Forces Airc Command (JFAC-IN), IN ANG, Stout Field, Indianapolis, IN</p> <p>Scheduler: Jefferson Range DSN: 724-1116 Com: (812) 689-7295</p>	<p>Ordnance: 20MM, 30MM, BDU-33, MK-82 (inert), 2.75 Rx (inert), LGB</p> <p>Night Ops: Yes, NVG capable</p> <p>Spec Cap: Laser Scoring System (LSTSS), SOFLAM LTD, IR Marker</p> <p>Threat Sim: SS, RWR LTE</p> <p>Drop Zones: No</p>	<p>Full Time: 9 Military: 12 Officers: 2/2 Enlisted: 9/7</p>

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Full-time/Military) (Authorized/Funded)
McMullen Primary Training Range, TX	Parent: NAS Kingsville Scheduler: 149 FW/Det- 1cc or RCO DSN: 969- 6061/6003 Com: (210) 977-6062	YANKEE: ANG north target complex, class A Ordnance: 20MM, BDU-33, Mk-106, MK- 82(inert), 2.75 Rx (lead head) Night Ops: Yes, Most Targets Spec Cap: No Threat Sim: RWR LTE & Smoky SAM DIXIE : Navy south target complex, class B/C Ordnance: 20MM, BDU-33, Mk-106, 2.75 Rx (lead head) Night Ops: Nil Spec Cap: Nil Threat Sim: Nil Drop Zones: No	Full Time: 7 Military: 9 Officers: 2/1 Enlisted: 7/6
Razorback Primary Training Range, AR	Parent: 188FW, Fort Smith, AR Scheduler: 188FW/DET 1 DSN: 778- 5171 Com: (479) 573-5171	Ordnance: 20MM, 30MM, BDU-33, MK-106, BDU-48, inert bombs up to 2000 lbs, 2.75 Rx (inert), chaff, self-protect & illum flare Night Ops: NVGs, Ground Commander's Pointer, Warrior IZLID II, Warrior Glo Tape, IR (covert) lights, various IR beacons and spotlights, and standard conventional circle lighting. Spec Cap: SOFLAM LTD, SeeSpot, SADL, all tactical targets are laser certified. Ten targets can be engaged by LGBs up to 2,000 pounds. Threat Sim: SS, RWR LTE Drop Zone: Yes	Full Time: 8 Military: 11 Officers: 2/1 Enlisted: 9/7

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Full-time/Military) (Authorized/Funded)
Shelby Intermediate Training Range, MS	Parent: ANG CRTC, Gulfport, MS Scheduler: CRTC Gulfport in Coordination with Camp Shelby Range Control DSN: 363-6053 Com: (228) 214-6053	Ordnance: 20MM, 30MM, 7.62MM, BDU-33, MK-106, inert MK-82, 2.75" Rx (lead head only on East Range; WP on West Range). West Tactical Range - live ordnance Night Ops: Yes Spec Cap: SLT, LTD, LES-M Threat Sim: SS, flares, RWR LTE Drop Zone: No	Full Time: 12 Military: 12 Officers: 2/2 Enlisted: 12/9
Smoky Hill Intermediate Training Range, KS	Parent: 184ARW, Wichita, KS Scheduler: 184ARE/DET1, Smoky Hill ANG Range DSN: 743-7600 x141 Com: (785) 827-9611	Ordnance: 20MM, 30MM, 7.62, 50cal, BDU-33/38/48/50/56, 2.75 Rx, GBU-10/12/31 (inerts), chaff, flares, Smoky Devils Night Ops: Yes Spec Ops: Laser and LGB approved, IR Marker, LTD, LES-M Threat Sim: SS, chaff, flares, ECCM, Multiple Threat Emitter System/Threat Reaction Analysis Indicator System (MUTES/TRAINS), RWR LTE Drop Zone: No	Full Time: 23 Military: 23 Officers: 2/2 Enlisted: 21/21
Townsend Intermediate Training Range, GA	Parent: ANG CRTC, Savannah International Airport (IAP), GA Scheduler: ANG CRTC/OTR, Townsend Range, GA DSN: 860-3007 Com: (912) 963-3007 townsend.range@gacrtc.ang.af.mil	Ordnance: 5.56, 7.62, 50cal, 20MM, 25MM, 30MM, BDU-33, BDU-48, MK-76, MK-106, all GP bombs (inert), 2.75 Rx (lead head and WP), LGTRs Night Ops: Yes. Mon-Thurs: Other by Request Spec Cap: SOFLAM LTD, SeeSpot, IR Marker, LSTSS, LES-M, Active IR Tgts.	Full Time: 13 Military: 13 Officers: 2/2 Enlisted: 14/11

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Full-time/Military) (Authorized/Funded)
Townsend Intermediate Training Range, GA		Threat Sim: Mini-IADS of Real Threat Systems, Triple Ground Threat Emitter, SS, chaff, RWR LTE Drop Zone: No	
Warren Grove Primary Training Range, NJ	Parent: 177 th FW, Atlantic City ANGB, NJ Scheduler: Warren Grove Range DSN: 455-6700 Com: (609) 677-6700	Drop Zone: No Night Ops: Yes Spec Cap: SOFLAM LTD, SeeSpot, IR Marker, LSTSS, LES-M, Active IR Tgts. Threat Sim: SS, Flares, RR-188 chaff, RWR LTE Drop Zone: Coyote DZ	Full Time: 10 Military: 10 Officers: 2/2 Enlisted: 10/8

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Authorized/ Funded)
Instrumented Air Combat Training System (ACTS)			
Alpena ACTS, MI	Parent: Alpena CRTC, Alpena, MI Scheduler: Alpena CRTC, Alpena, MI DSN: 741-3205 Com: (989) 354-6205	Ordnance Simulation: AIM-120D, AIM-9, all standard US and Russian AAMs, weapons hypothesizer Night Ops: Yes Spec Cap: UHF & SHF Datalink for pod-to-pod communications	Officers: 2/0 Enlisted: 5/2
Gulfport ACTS, MS	Parent: CRTC Gulfport, MS at Gulfport-Biloxi Regional Airport Scheduler: ANG CRTC- Gulfport DSN: 363-6025/7 Com: (228) 214-6025/7	Ordnance Simulation: AIM-7E2/F/M, AIM-54A/C, AIM-9D/G/H/L/M/P, AA-2B,/D AA-7A/C/D, AA-8, AA-10A, AA-11, AGM-45A/B, AIM-120A, ARM, G-23 gun, M-61 gun, GAU-8 gun, MK-20, MK-76, MK-82/83/84, MK-106, WLEY, MK-54/55/56, APAM, B-48B, LM-82, LM-84, LASRDSG ATTN: ACTS/ Scheduling 4715 Hewes Ave, Bldg 1 Gulfport, MS 39507- 4324 Night Ops: Yes Spec Cap: Datalink Threat Sim: MoTES	Officers: 2/1 Enlisted: 2/2

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Authorized/ Funded)
Savannah ACTS, GA	Parent: CRTC, Savannah, GA Scheduler: Savannah CRTC DSN: 860- 3496/3204 Com: (912) 963-3496/3204	Ordnance Simulation: AIM-7E2/F/M, AIM-120, AA-7A, AA-7C, AA-9, AIM-9D/G/H/J/J1/M/P Night Ops: Yes Spec Cap: Microwave datalink	Officers: 2/2 Enlisted: 4/4 O&M Contractor: 7/7
Volk ACMI, WI	Parent: CRTC Volk Field ANGB, Camp Douglas, WI Scheduler: ANG CRTC, Volk Field, WI DSN: 871- 1443 Com: (608) 427-1443	Ordnance Simulation: AIM-7E2/F/M, AIM-54A,/C, AIM-9D/G/H/L/M/P, AA-2B/D, AA-7A/C/D, AA-8, AGM-45A/B, AIM-120A, ARM, G-23 gun, M-61 gun, GAU-8 gun, MK-20, MK-76, MK-82/83/84, MK-106, WLEY, MK-54/55/56, APAM, B-48B, LM-82, LM-84, LASRDSG Night Ops: Yes Threat Sim: SA-2, SA-3, SA-6, SA-8, ZSU-23, Firecan, Tank, and Flapwheel Spec Cap: Microwave datalink, SADL	Officers: 2/2 Enlisted: 4/2
Range Support Squadron			
266th Range Squadron, ID	Parent: 124WG IDANG, Gowen Field, Boise, ID Scheduler: 366 OSS/OSOS,	Night Ops: Yes Spec Cap: Can deploy anywhere to simulate realistic threat environment for all armed forces and National Guard, Cowboy Control is a full-up MRU with a CAOC control room & Battle Cab for LFE	Officers: 4/4 Enlisted: 130/126

Range	Parent Unit / Scheduling Agency	Capabilities	Personnel (Authorized/ Funded)
	DSN: 728-2172 will schedule range periods; 266 RANS/JOJ, DSN: 728-6835 will schedule range threats. DSN: 728-6392 Com: (208) 828-6362	Threat Sim: SS, Smoky Guns, Tactical Radar Threat Generator, Mobile Threat Emitter, Threat Reaction Analysis Indicator System, Multiple Threat Emitter System, Mini Multiple Threat Emitter System, Seek Score, Laser Designator, Joint Threat Emitter	

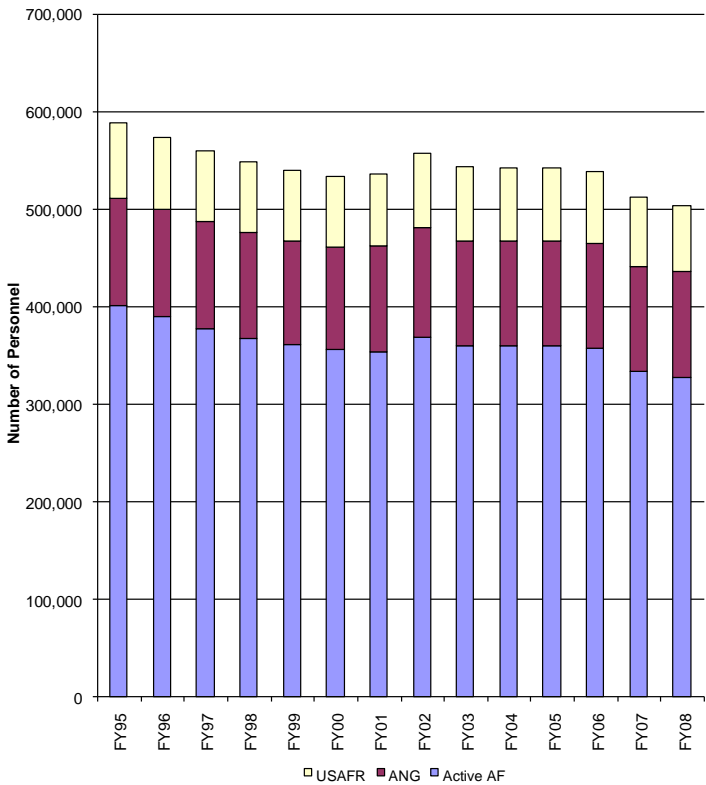
Chapter 3:

Total Force Personnel

Manpower and Demographics

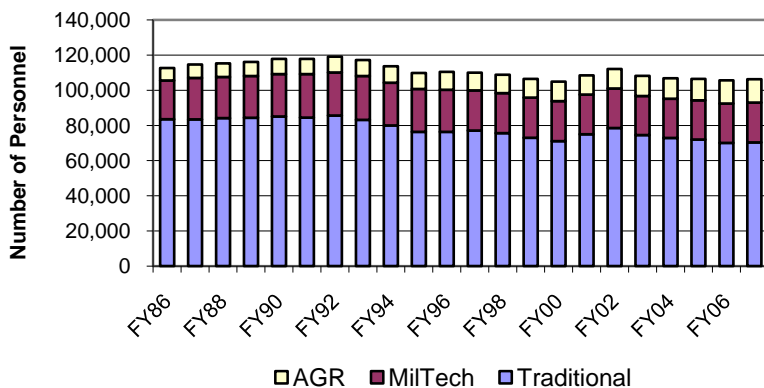
Total Force Endstrength, FY95 – FY08

Source: NGB/A1



ANG Total Endstrength, FY65 – FY08

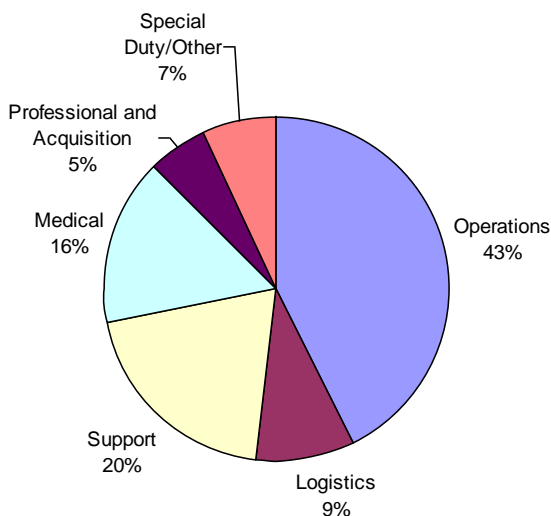
Source: NGB/A1



FY	Traditional	%	MilTech	%	AGR	%	TOTAL
FY86	83,489	74.15%	22,005	19.54%	7,098	6.30%	112,592
FY87	83,412	72.79%	23,560	20.56%	7,623	6.65%	114,595
FY88	84,103	72.99%	23,409	20.32%	7,709	6.69%	115,221
FY89	84,354	72.68%	23,688	20.41%	8,019	6.91%	116,061
FY90	85,026	72.19%	24,119	20.48%	8,641	7.34%	117,786
FY91	84,453	71.70%	24,703	20.97%	8,630	7.33%	117,786
FY92	85,570	71.86%	24,471	20.55%	9,042	7.59%	119,083
FY93	83,115	70.94%	24,958	21.30%	9,089	7.76%	117,162
FY94	79,971	70.41%	24,304	21.40%	9,312	8.20%	113,587
FY95	76,339	69.51%	24,360	22.18%	9,127	8.31%	109,826
FY96	76,293	69.05%	23,931	21.66%	10,260	9.29%	110,484
FY97	77,075	70.05%	22,771	20.70%	10,179	9.25%	110,025
FY98	75,631	69.52%	22,699	20.86%	10,462	9.62%	108,792
FY99	72,936	68.50%	22,857	21.47%	10,683	10.03%	106,476
FY00	71,066	67.76%	22,758	21.70%	11,053	10.54%	104,877
FY01	74,997	69.13%	22,517	20.76%	10,973	10.11%	108,487
FY02	78,509	70.05%	22,449	20.03%	11,117	9.92%	112,075
FY03	74,522	68.91%	22,136	20.47%	11,480	10.62%	108,138
FY04	72,857	68.20%	22,328	20.90%	11,637	10.89%	106,822
FY05	71,951	67.60%	22,268	20.92%	12,211	11.47%	106,430
FY06	70,052	66.30%	22,401	21.20%	13,207	12.50%	105,660
FY07	70,331	66.19%	22,674	21.34%	13,249	12.47%	106,254
FY08	71895	66.78	21995	20.43	13829	12.83	107679

ANG Personnel by Career Fields, FY97 – FY08, Officers

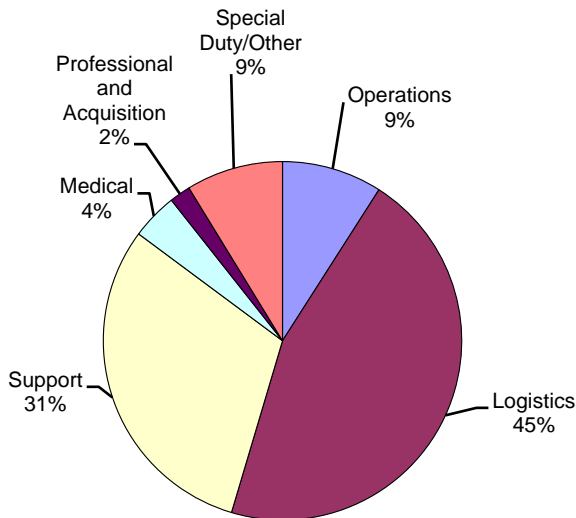
Source: NGB/A1, Does not include AFSCs Special Investigations, Special Duty identifiers, and Reporting Identifiers.



FY	Operations	Logistics	Support	Medical	Professional and Acquisition	Special Duty /Other	Total
FY97	5,612	1,302	2,739	2,046	644	12,343	12,343
FY98	5,559	1,304	2,631	2,065	656	12,215	12,215
FY99	5,538	1,286	2,620	2,070	669	12,183	12,183
FY00	5,471	1,258	2,570	2,134	663	12,096	12,096
FY01	5,575	1,305	2,629	2,124	716	12,349	12,349
FY02	5,829	1,380	2,717	2,253	750	1,003	13,932
FY03	5,738	1,346	2,719	2,189	758	952	13,702
FY04	5,708	1,298	2,710	2,154	765	999	13,634
FY05	5,743	1,260	2,747	2,156	766	1,000	13,672
FY06	5,799	1,264	2,758	2,195	769	997	13,782
FY07	5,944	1,306	2,801	2,228	761	985	14,025
FY08	1227	2303	6066	790	938	2791	14115

ANG Personnel by Career Field, FY97 – FY08, Enlisted

Source: NGB/A1, Does not include AFSCs Special Investigations, Special Duty Identifiers, and Reporting Identifiers.

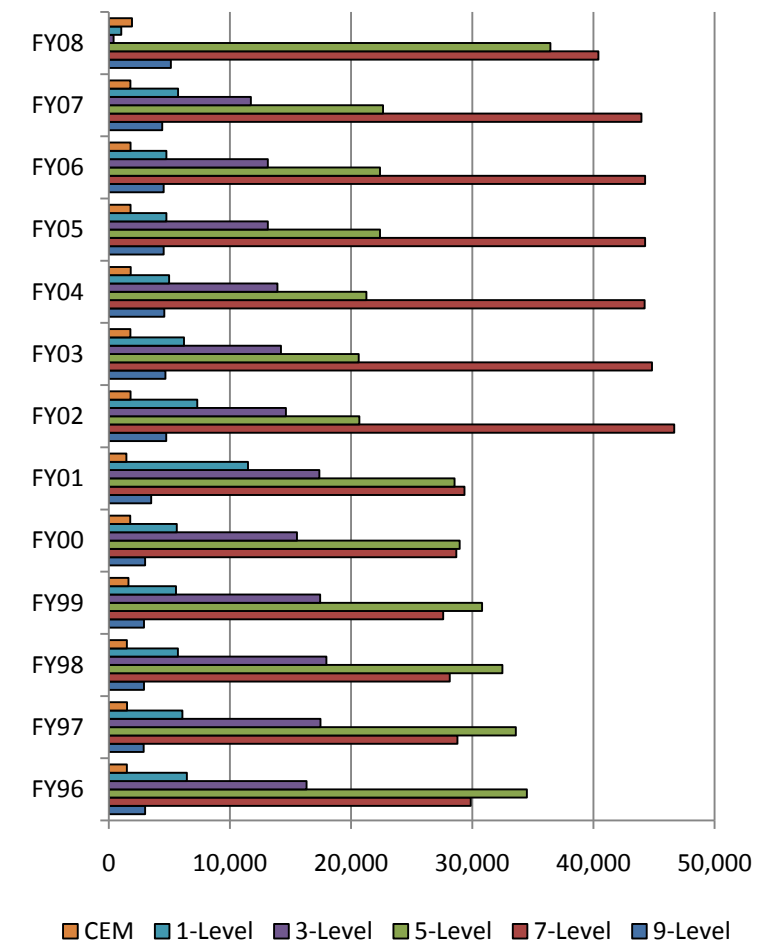


FY	Operations	Logistics	Support	Medical	Professional and Acquisition	Special Duty /Other	Total
FY97	6,687	46,767	30,220	4,933	1,795	90,402	90,402
FY98	6,679	45,816	29,651	4,879	1,747	88,772	88,772
FY99	6,704	44,373	28,526	4,678	1,723	86,004	86,004
FY00	6,719	43,745	28,024	4,577	1,691	84,756	84,756
FY01	7,419	47,277	30,474	4,850	1,781	91,801	91,801
FY02	7,677	46,429	30,203	4,683	1,804	7,346	98,142
FY03	7,857	45,462	29,205	4,388	1,755	5,769	94,436
FY04	8,073	44,847	28,843	4,330	1,778	5,317	93,188
FY05	8,084	44,036	28,568	4,092	1,756	6,222	92,758
FY06	8,098	42,602	27,969	3,869	1,749	7,591	91,878
FY07	8,345	42,012	28,192	3,863	1,752	8,065	92,229
FY08	40642	3935	9412	1762	9028	28785	93564

ANG Skill Levels – Total and by Career Field

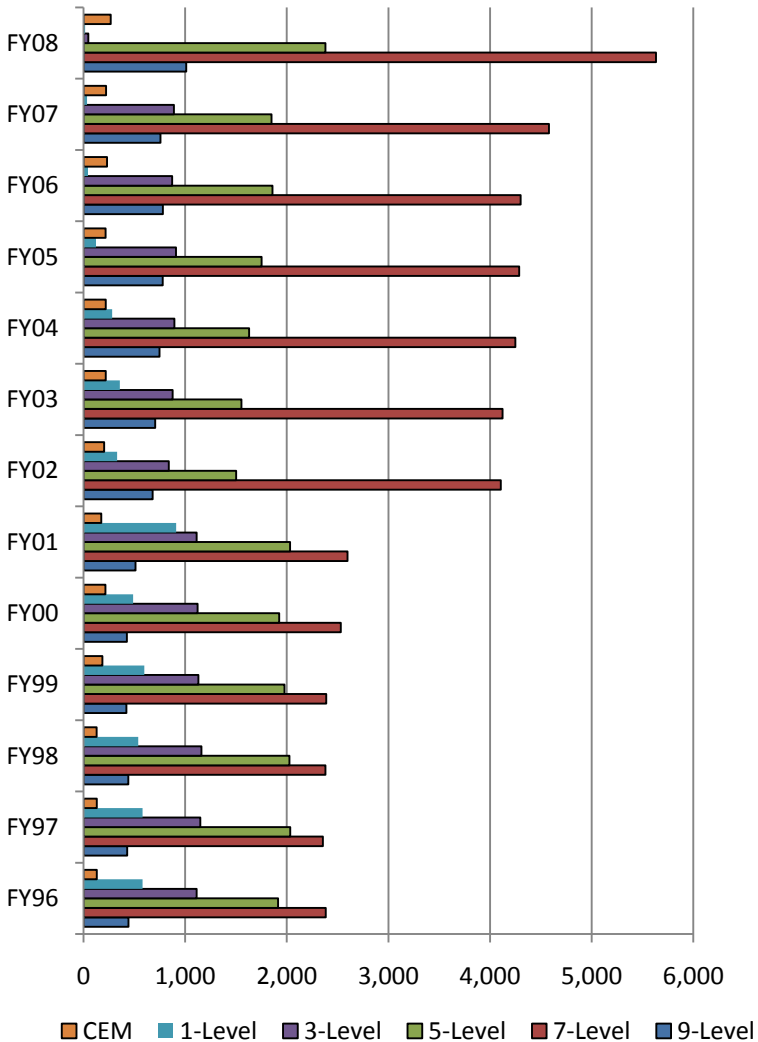
ANG Enlisted Skill Levels – Total, FY96 – FY08

Source: NGB/A1, Does not include AFSCs Special Investigations, Special Duty Identifiers and Reporting Identifiers.



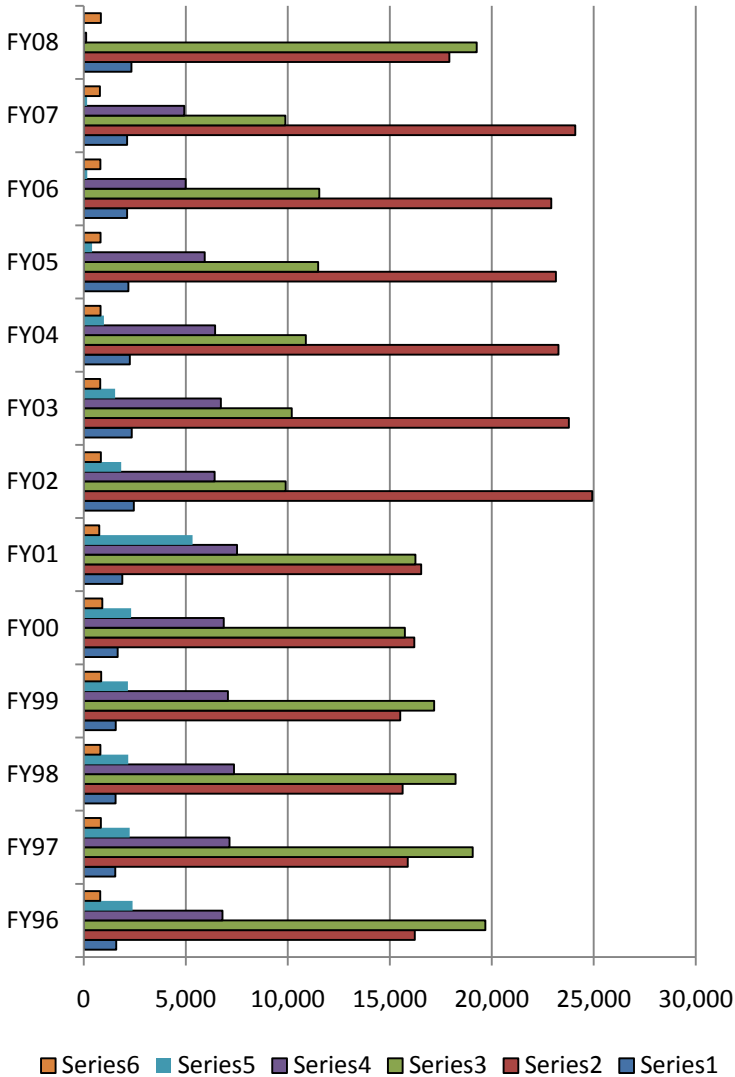
**ANG Enlisted Skill Levels by Career Field –
Operations, FY96 – FY08**

Source: NGB/A1, Does not include AFSCs Special Investigations, Special Duty Identifiers, and Reporting Identifiers



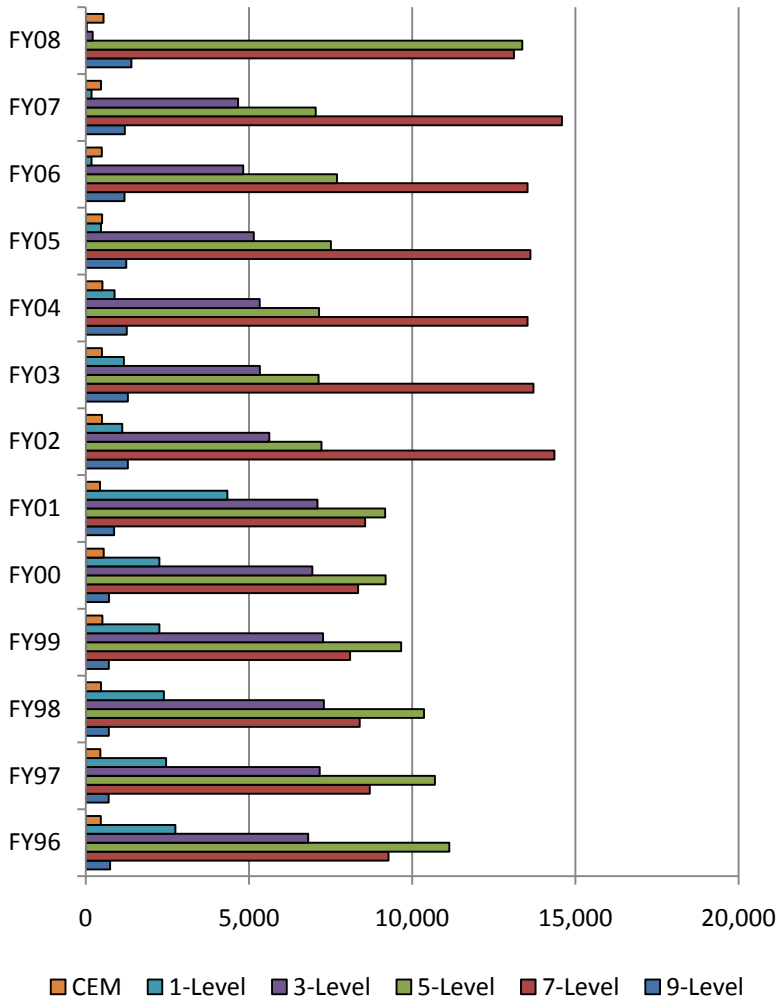
ANG Enlisted Skill Levels by Career Field – Logistics, FY96 – FY08

Source: NGB/A1



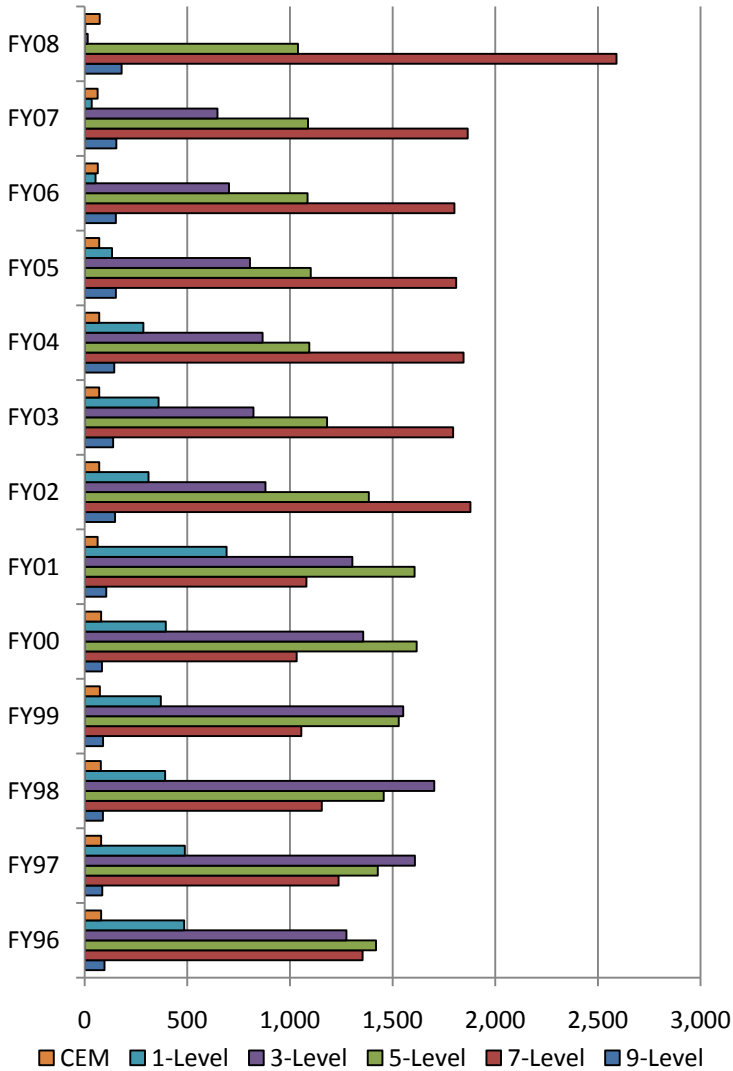
ANG Enlisted Skill Levels by Career Field – Support, FY96 – FY08

Source: NGB/A1



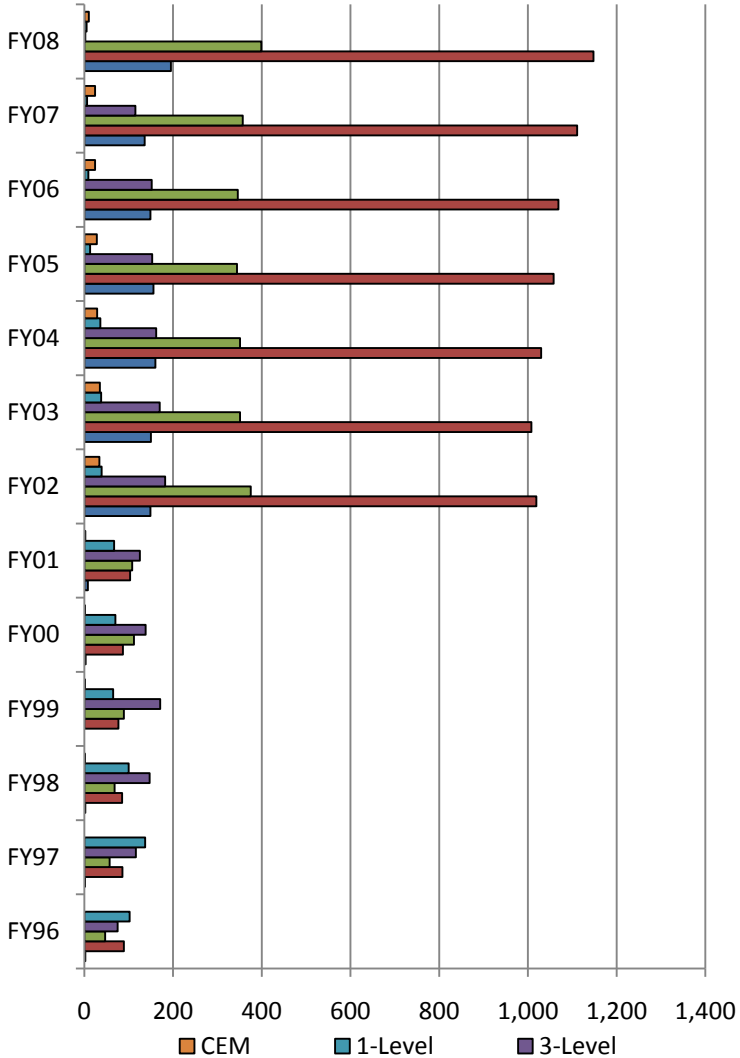
**ANG Enlisted Skill Levels by Career Field – Medical,
FY96 – FY08**

Source: NGB/A1



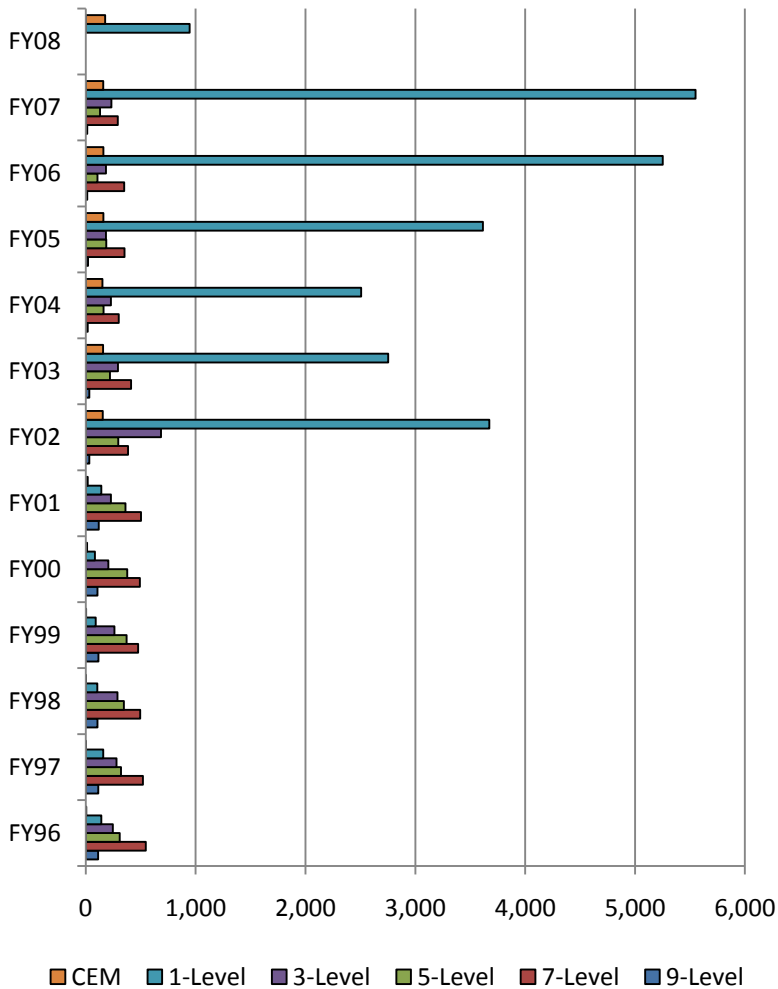
ANG Enlisted Skill Levels by Career Field – Professional, FY96 – FY08

Source: NGB/A1



ANG Enlisted Skill Levels by Career Field – Special Duty/Other, FY96 – FY08

Source: NGB/A1



Selected Reserve Strength by State

Selected Reserve Strength by State

Source: OASD(RA), August 2007

STATE	ARNG	USAR	USNR	USMCR	ANG	USAFR	USCGR	TOTAL
ALABAMA	11282	5355	382	687	2299	1293	159	21457
ALASKA	1885	375	85	37	1963	201	50	4596
ARIZONA	5297	2644	959	564	2570	1152	2	13188
ARKANSAS	8548	2262	205	164	1926	170	0	13275
CALIFORNIA	16920	13518	9579	4704	4586	7677	934	57918
COLORADO	3669	3041	889	429	1488	2478	13	12007
CONNECTICUT	3226	1186	402	226	1088	3	113	6244
DELAWARE	1496	342	114	145	1046	1647	1	4791
WASH., D.C	1300	1525	1894	383	1157	179	128	6566
FLORIDA	10005	9935	5328	1250	2001	5169	1045	34733
GEORGIA	11060	9563	1898	1094	2751	2843	115	29324
GUAM	1108	580	17	0	445	274	0	2424
HAWAII	2814	2623	686	78	2323	584	129	9237
IDAHO	3442	677	146	101	1485	30	0	5881
ILLINOIS	10160	6188	2749	1339	3028	1393	93	24950
INDIANA	12927	3487	358	592	1864	1457	7	20692
IOWA	7382	2556	159	186	2052	0	6	12341
KANSAS	5493	3198	154	208	2083	455	27	11618
KENTUCKY	7299	4177	286	256	1183	2	82	13285
LOUISIANA	9376	2617	1970	1066	1554	1675	197	18455
MAINE	2124	507	915	132	1143	0	92	4913
MARYLAND	4948	5066	2011	410	1804	1762	214	16215
MASSACHUSETTS	6320	3033	342	829	2000	2485	500	15509
MICHIGAN	9280	3377	1123	1143	2650	14	165	17752
MINNESOTA	11419	3389	711	434	2380	1360	35	19728
MISSISSIPPI	9961	2143	868	158	2589	1579	134	17432
MISSOURI	8957	5477	1499	3621	2727	1128	102	23511

STATE	ARNG	USAR	USNR	USMCR	ANG	USAFR	USCGR	TOTAL
MONTANA	2676	790	155	64	1018	35	0	4738
NEBRASKA	3800	1812	354	192	1014	325	16	7513
NEVADA	2811	903	425	216	1113	426	2	5896
NEW HAMPSHIRE	1825	866	118	169	980	1	19	3978
NEW JERSEY	6065	4443	912	586	2323	2643	170	17142
NEW MEXICO	3087	677	288	74	972	134	0	5232
NEW YORK	10334	8846	1954	1864	6056	1293	553	30900
NORTH CAROLINA	10288	6782	1183	711	1566	2113	223	22866
NORTH DAKOTA	3227	279	92	43	971	33	0	4645
OHIO	11059	5439	1433	991	5365	3855	298	28440
OKLAHOMA	7814	3038	595	356	2356	1708	11	15878
OREGON	6383	525	576	341	2229	113	143	10310
PENNSYLVANIA	15329	8202	2078	1739	4197	1347	170	33062
PUERTO RICO	7159	4261	342	0	1232	1	47	13042
RHODE ISLAND	2115	357	589	149	1215	0	46	4471
SOUTH CAROLINA	9796	4462	817	443	1209	2394	163	19284
SOUTH DAKOTA	3356	352	128	0	1037	22	0	4895
TENNESSEE	10659	4253	1394	754	3632	12	53	20757
TEXAS	19240	17084	5956	3006	3126	6808	401	55621
UTAH	5359	2586	407	265	1465	1368	0	11450
VERMONT	2687	202	48	0	971	0	18	3926
VIRGIN ISLANDS	759	0	0	0	65	0	6	830
VIRGINIA	7918	7248	5747	1276	1671	1514	614	25988
WASHINGTON	6179	5617	2283	547	2032	2467	498	19623
WEST VIRGINIA	4499	1953	128	276	2325	1	26	9208
WISCONSIN	7616	4976	598	545	2220	1	104	16060
WYOMING	1812	77	74	0	1172	33	0	3168
OVERSEAS	0	1868	1720	12	5	360	33	3998
SHIPS	0	0	797	0	0	0	0	797
UNKNOWN	0	910	998	2783	0	9	0	4700
TOTAL	361550	197649	67918	37638	107722	66026	7957	846460

Chapter 4:

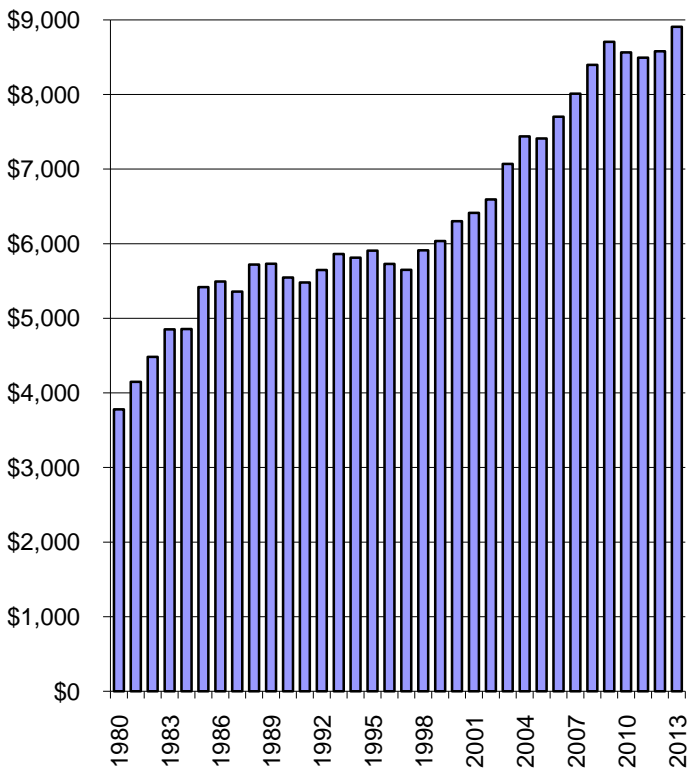
Budget

Air National Guard Budget

Air National Guard Appropriations, FY80 – FY13

Source: NGB/FM

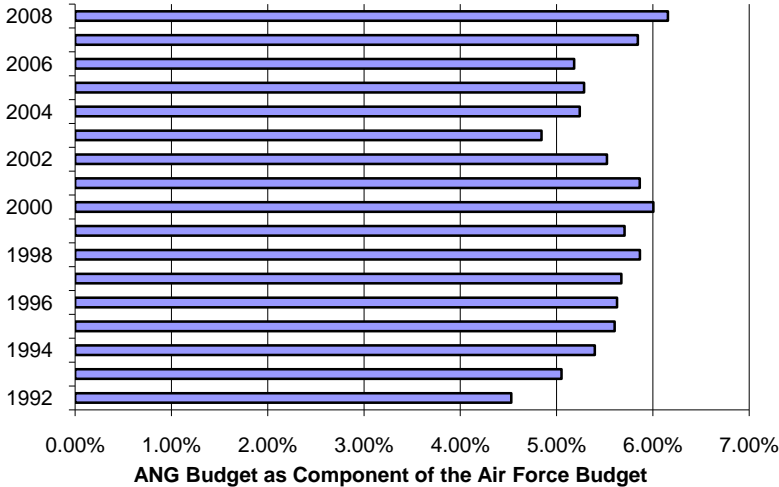
Note: Constant FY06 dollars, in millions, FY07-FY13 are estimates



ANG Budget as Component of the Air Force Budget,
FY92 – FY08

Source: Office of the Undersecretary (Comptroller); NGB/FM

Note: Constant FY08 dollars, in millions

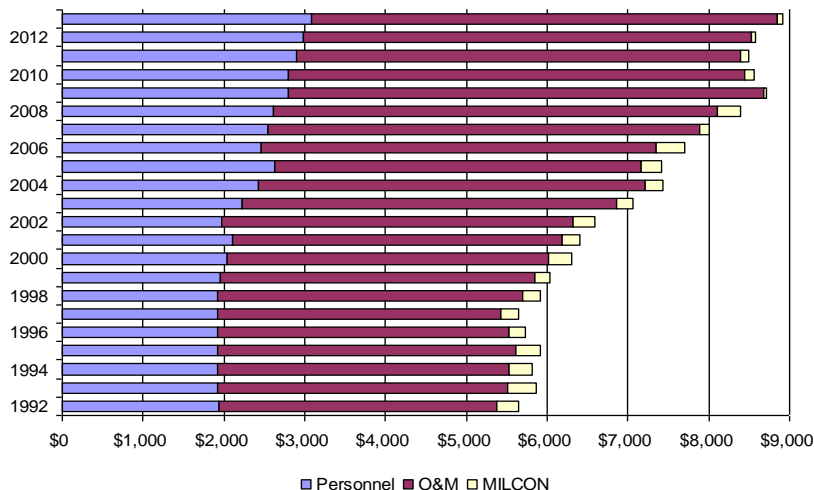


FY	Air National Guard	Air Force	ANG as % of USAF Total
1992	\$5,647	\$124,653	4.53%
1993	\$5,862	\$116,063	5.05%
1994	\$5,813	\$107,726	5.40%
1995	\$5,908	\$105,467	5.60%
1996	\$5,730	\$101,808	5.63%
1997	\$5,650	\$99,617	5.67%
1998	\$5,911	\$100,782	5.87%
1999	\$6,035	\$105,778	5.71%
2000	\$6,302	\$104,948	6.00%
2001	\$6,412	\$109,344	5.86%
2002	\$6,594	\$119,379	5.52%
2003	\$7,069	\$145,971	4.84%
2004	\$7,439	\$141,968	5.24%
2005	\$7,411	\$140,232	5.28%
2006	\$7,702	\$148,618	5.18%
2007	\$8,012	\$137,091	5.84%
2008	\$8,398	\$136,426	6.16%

ANG Appropriations by Category, FY92 – FY08

Source: Office of the Undersecretary (Comptroller); NGB/FM

Note: Constant FY08 dollars, in millions



FY	Personnel	O&M	MILCON	ANG Total
1992	\$1,943	\$3,432	\$272	\$5,647
1993	\$1,918	\$3,593	\$351	\$5,862
1994	\$1,929	\$3,594	\$290	\$5,813
1995	\$1,919	\$3,696	\$293	\$5,908
1996	\$1,927	\$3,603	\$199	\$5,730
1997	\$1,928	\$3,504	\$218	\$5,650
1998	\$1,925	\$3,770	\$217	\$5,911
1999	\$1,953	\$3,891	\$191	\$6,035
2000	\$2,040	\$3,971	\$291	\$6,302
2001	\$2,104	\$4,078	\$231	\$6,412
2002	\$1,978	\$4,345	\$271	\$6,594
2003	\$2,218	\$4,634	\$217	\$7,069
2004	\$2,433	\$4,779	\$227	\$7,439
2005	\$2,632	\$4,531	\$248	\$7,411
2006	\$2,453	\$4,895	\$354	\$7,702
2007	\$2,548	\$5,338	\$126	\$8,012
2008	\$2,617	\$5,493	\$288	\$8,398
2009	\$2,792	\$5,880	\$34	\$8,706
2010	\$2,804	\$5,641	\$121	\$8,566
2011	\$2,891	\$5,502	\$100	\$8,493
2012	\$2,984	\$5,545	\$51	\$8,580
2013	\$3,090	\$5,751	\$67	\$8,908

Department of the Air Force Budget, FY49 – FY13

Source: OUSD(Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, in millions

FY47-FY06 are actual appropriations, FY07-FY13 are estimates

FY	MilPers	O&M	Procure	RDT&E	MilCon	Total*
1949	\$20,344	\$12,931	\$4,242	\$1,166	\$350	\$37,707
1954	\$47,282	\$35,348	\$28,594	\$8,299	\$2,132	\$121,040
1959	\$47,669	\$37,213	\$47,455	\$14,793	\$4,989	\$152,524
1964	\$48,115	\$35,845	\$41,229	\$20,667	\$2,833	\$148,393
1969	\$49,598	\$46,066	\$43,634	\$17,227	\$1,335	\$159,749
1974	\$38,440	\$33,801	\$22,769	\$11,433	\$928	\$107,271
1979	\$30,731	\$31,797	\$26,932	\$10,712	\$1,202	\$101,503
1984	\$32,768	\$40,585	\$62,559	\$21,812	\$2,784	\$163,942
1989	\$41,169	\$44,837	\$45,460	\$21,997	\$2,108	\$156,683
1990	\$40,334	\$44,202	\$42,875	\$19,511	\$2,046	\$150,006
1991	\$40,101	\$45,133	\$33,006	\$17,027	\$1,530	\$139,663
1992	\$36,566	\$36,712	\$31,151	\$17,493	\$1,608	\$124,653
1993	\$32,969	\$34,512	\$28,615	\$17,268	\$1,384	\$116,063
1994	\$29,038	\$37,367	\$22,814	\$15,731	\$2,002	\$107,726
1995	\$30,588	\$36,992	\$20,917	\$15,114	\$1,034	\$105,467
1996	\$29,462	\$34,578	\$19,393	\$15,645	\$1,603	\$101,808
1997	\$28,471	\$32,499	\$17,534	\$17,361	\$1,934	\$99,617
1998	\$27,214	\$34,462	\$18,592	\$17,479	\$1,878	\$100,782
1999	\$26,738	\$36,283	\$22,196	\$16,696	\$1,041	\$105,778
2000	\$26,646	\$36,005	\$22,264	\$17,272	\$1,397	\$104,948
2001	\$26,709	\$36,699	\$25,796	\$16,728	\$1,655	\$109,344
2002	\$29,833	\$42,068	\$26,801	\$16,777	\$2,091	\$119,379
2003	\$33,484	\$52,100	\$35,533	\$21,377	\$1,851	\$145,971
2004	\$33,482	\$45,852	\$35,870	\$22,492	\$2,019	\$141,968
2005	\$33,126	\$44,879	\$37,762	\$22,152	\$1,608	\$140,232
2006	\$33,191	\$48,854	\$37,691	\$23,290	\$2,284	\$148,618
2007	\$30,867	\$41,663	\$36,135	\$24,899	\$1,805	\$137,091
2008	\$30,723	\$41,848	\$33,814	\$26,712	\$2,351	\$136,426

FY	MilPers	O&M	Procure	RDT&E	MilCon	Total*
2009	\$30,327	\$41,997	\$35,578	\$28,347	\$2,131	\$139,309
2010	\$28,537	\$43,098	\$34,443	\$28,852	\$2,303	\$137,926
2011	\$28,629	\$42,592	\$37,147	\$26,877	\$2,034	\$137,897
2012	\$28,930	\$41,887	\$38,231	\$26,595	\$1,219	\$137,456
2013	\$26,087	\$42,064	\$38,156	\$25,171	\$1,123	\$136,194

* Due to omission of some budget categories (family housing, retired pay) totals may not reflect previously listed AF-wide budget totals

Department of the Air Force Budget Summary by Appropriation, FY06 – FY08

Source: OUSD(Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, in millions

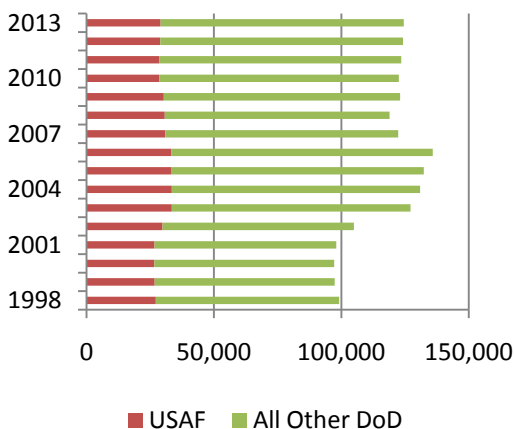
APPROPRIATION	FY06	FY07	FY08
Military Family Housing USAF	\$2,183	\$1,813	\$1,051
Military Construction USAF	\$2,284	\$1,805	\$2,351
Military Construction Air National Guard	\$354	\$127	\$288
Military Construction Reserve	\$105	\$45	\$27
RDT&E--USAF	\$23,290	\$24,899	\$26,712
Procurement--USAF	\$37,691	\$36,135	\$33,814
Military Personnel USAF	\$33,191	\$30,867	\$30,723
Military Personnel Air National Guard	\$2,453	\$2,548	\$2,617
Military Personnel Reserve	\$1,246	\$1,342	\$1,378
O&M USAF	\$48,854	\$41,663	\$41,848
O&M Air National Guard	\$4,895	\$5,338	\$4,593
O&M Reserve	\$2,566	\$2,613	\$2,692

Air Force Personnel Budget, FY98 – FY13

Source: OUSD(Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, in millions

FY	USAF	All Other DoD
1998	27,214	71950
1999	26,738	70647
2000	26,646	70577
2001	26,709	71284
2002	29,833	75113
2003	33,484	93631
2004	33,482	97460
2005	33,126	99224
2006	33,191	102651
2007	30,867	91419
2008	30,723	88197
2009	30,327	92750
2010	28,537	94047
2011	28,629	94858
2012	28,930	95259
2013	29,087	95442

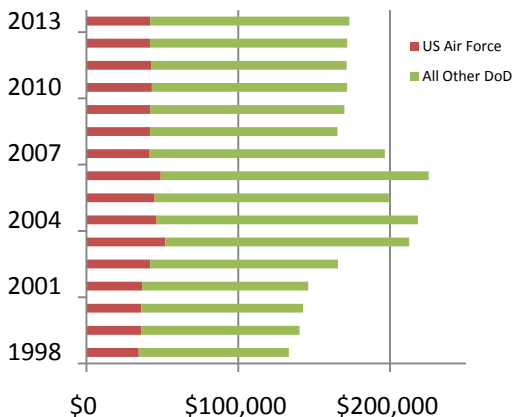


Air Force O&M Budget – FY98 – FY13

Source: Office of the Under Secretary of Defense (Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, in millions, Budget Authority]

FY	USAF	All Other DoD
1998	\$34,462	\$98,818
1999	\$36,283	\$104,073
2000	\$36,005	\$106,711
2001	\$36,699	\$109,330
2002	\$42,068	\$123,570
2003	\$52,100	\$160,475
2004	\$45,852	\$172,579
2005	\$44,879	\$154,330
2006	\$48,854	\$176,591
2007	\$41,663	\$154,853
2008	\$41,848	\$123,496
2009	\$41,997	\$127,943
2010	\$43,098	\$128,597
2011	\$42,592	\$128,759
2012	\$41,887	\$129,951
2013	\$42,064	\$131,089

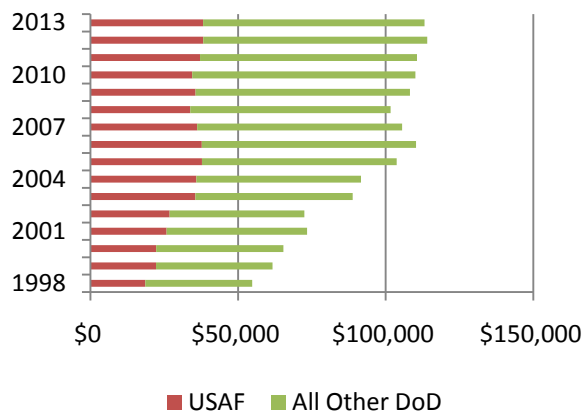


Air Force Procurement Budget – FY98 – FY13

Source: Office of the Under Secretary of Defense (Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, \$ in millions, Budget Authority

FY	USAF	All Other DoD
1998	\$18,592	\$36,217
1999	\$22,196	\$39,476
2000	\$22,264	\$43,107
2001	\$25,796	\$47,599
2002	\$26,801	\$45,634
2003	\$35,533	\$53,282
2004	\$35,870	\$55,772
2005	\$37,762	\$65,977
2006	\$37,691	\$72,602
2007	\$36,135	\$69,408
2008	\$33,814	\$67,865
2009	\$35,578	\$72,636
2010	\$34,443	\$75,600
2011	\$37,147	\$73,470
2012	\$38,231	\$75,821
2013	\$38,156	\$74,979

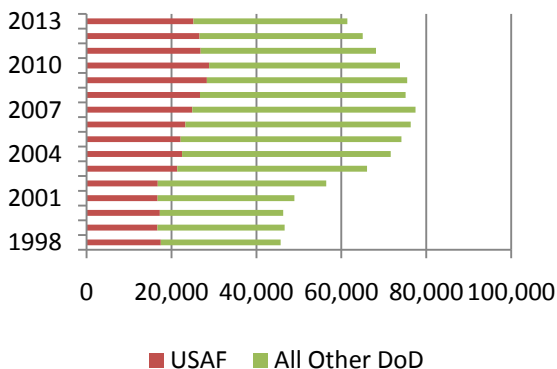


Air Force RDT & E - FY98 – FY13

Source: Office of the Under Secretary of Defense (Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, \$ in millions, Budget Authority

FY	USAF	All Other DoD
1998	17,479	\$28,239
1999	16,696	\$29,964
2000	17,272	\$29,045
2001	16,728	\$32,203
2002	16,777	\$39,662
2003	21,377	\$44,676
2004	22,492	\$49,137
2005	22,152	\$51,986
2006	23,290	\$53,063
2007	24,899	\$52,561
2008	26,712	\$48,405
2009	28,347	\$47,172
2010	28,852	\$44,970
2011	26,877	\$41,278
2012	26,595	\$38,424
2013	25,171	\$36,251

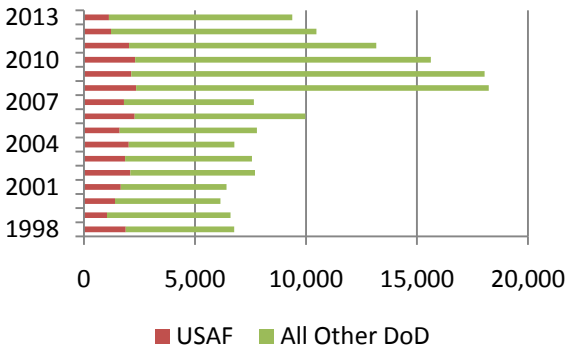


Air Force Military Construction Budget – FY98 – FY13

Source: Office of the Under Secretary of Defense (Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY08 dollars, \$ in millions, Budget Authority

FY	USAF	All Other DoD
1998	1,878	\$4,886
1999	1,041	\$5,563
2000	1,397	\$4,749
2001	1,655	\$4,766
2002	2,091	\$5,616
2003	1,851	\$5,720
2004	2,019	\$4,757
2005	1,608	\$6,182
2006	2,284	\$7,690
2007	1,805	\$5,847
2008	2,351	\$15,882
2009	2,131	\$15,919
2010	2,303	\$13,325
2011	2,034	\$11,132
2012	1,219	\$9,256
2013	1,123	\$8,260

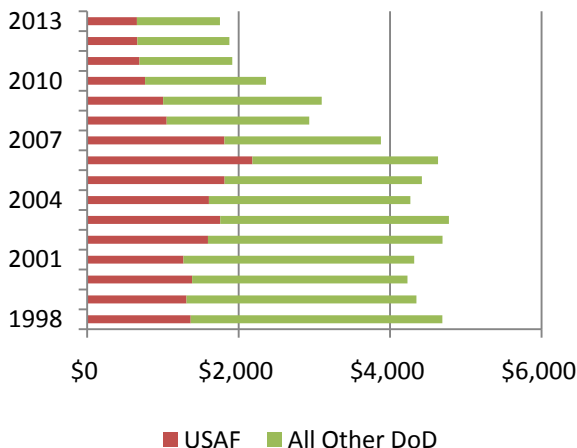


Air Force Family Housing Budget – FY98 – FY13

Source: Office of the Under Secretary of Defense (Comptroller), National Defense Budget Estimates for FY 2008

Note: Constant FY07 dollars, \$ in millions, Budget Authority

FY	USAF	All Other DoD
1998	\$1,367	\$3,323
1999	\$1,312	\$3,035
2000	\$1,385	\$2,845
2001	\$1,271	\$3,047
2002	\$1,596	\$3,096
2003	\$1,757	\$3,020
2004	\$1,607	\$2,660
2005	\$1,814	\$2,606
2006	\$2,183	\$2,451
2007	\$1,813	\$2,066
2008	\$1,051	\$1,881
2009	\$1,003	\$2,095
2010	\$764	\$1,599
2011	\$691	\$1,226
2012	\$663	\$1,216
2013	\$658	\$1,096



ANG Modernization Requirements

Source: Air National Guard FY10 Weapons System Modernization Requirements,
Prepared by NGB/A5

PRECISION STRIKE	Item	Fund Type	Units Required	Unit Cost	Program Cost
F-16/A-10 Day/Night Helmet Mounted Cueing System (HMCS) *Provides a increased situational awareness and lethality while preventing fratricide.	F-16/A-10 NRE	3600	1	\$26,000,000	\$26,000,000
	F-16/A-10 HMCS kits	3010	443	\$120,000	\$53,160,000
	F-16 JHMCS Night kits	3010	141	\$50,000	\$7,050,000
	F-16 CFCC/Et hernet kits	3010	118	\$70,000	\$8,260,000
F-15 Active Electronically Scanned Array (AESA) Radar *Next generation precision capability to detect, track, and eliminate asymmetric threats		3010	30	\$8,720,000	\$261,600,000

F-16 Center Pedestal Display *Replaces center pedestal with a color display.	NRE	3600	1	\$3,500,000	\$3,500,000
		3010	382	\$120,000	\$45,840,000
F-16 Active Electronically Scanned Array (AESA) Radar *Next generation precision capability to detect, track, and eliminate asymmetric threats	NRE	3600	1	\$180,000,000	\$180,000,000
		3010	76	\$2,100,000	\$159,600,000
F-16/A-10 Targeting Pod Upgrades *Provides 4th generation targeting/identification/recognition capability.	F-16/A-10 4th Gen pod upgrades	3010	118	\$1,000,000	\$118,000,000
	F-16/A-10 VDL Kits	3010	12	\$120,000	\$1,440,000
MQ-1/MQ-9 Advanced Cockpit *Increases situational awareness through advanced visualization	NRE	3600	1	\$36,440,000	\$36,440,000
		3010	12	\$2,300,000	\$27,600,000
JTAC & Tactical Air Control Party Laser Range Marker *Upgrades existing laser range finder for JTACs		3840	280	\$18,000	\$5,040,000

JSTARS Radar Replacement *Replaces existing radar	NRE	3600	1	\$1,195,470,000	\$1,195,470,000
		3010	18	\$56,190,000	\$1,011,420,000
TOTAL					\$3,140,420,000

ANG Modernization Requirements

Source: Air National Guard FY10 Weapons System Modernization Requirements,
Prepared by NGB/A5

PRECISION STRIKE	Item	Fund Type	Units Required	Unit Cost	Program Cost
F-16/A-10 Day/Night Helmet Mounted Cueing System (HMCS) *Provides a increased situational awareness and lethality while preventing fratricide.	F-16/A-10 NRE	3600	1	\$26,000,000	\$26,000,000
	F-16/A-10 HMCS kits	3010	443	\$120,000	\$53,160,000
	F-16 JHMCS Night kits	3010	141	\$50,000	\$7,050,000
	F-16 CFCC/Ethernet kits	3010	118	\$70,000	\$8,260,000
F-15 Active Electronically Scanned Array (AESA) Radar *Next generation precision capability to detect, track, and eliminate asymmetric threats		3010	30	\$8,720,000	\$261,600,000
F-16 Center Pedestal Display *Replaces center pedestal with a color display.	NRE	3600	1	\$3,500,000	\$3,500,000
		3010	382	\$120,000	\$45,840,000

PRECISION STRIKE	Item	Fund Type	Units Required	Unit Cost	Program Cost
F-16 Active Electronically Scanned Array (AES) Radar *Next generation precision capability to detect, track, and eliminate asymmetric threats	NRE	3600	1	\$180,000,000	\$180,000,000
		3010	76	\$2,100,000	\$159,600,000
F-16/A-10 Targeting Pod Upgrades *Provides 4th generation targeting/identification /recognition capability.	F-16/A-10 4th Gen pod upgrades	3010	118	\$1,000,000	\$118,000,000
	F-16/A-10 VDL Kits	3010	12	\$120,000	\$1,440,000
MQ-1/MQ-9 Advanced Cockpit *Increases situational awareness through advanced visualization	NRE	3600	1	\$36,440,000	\$36,440,000
		3010	12	\$2,300,000	\$27,600,000
JTAC & Tactical Air Control Party Laser Range Marker *Upgrades existing laser range finder for JTACs		3840	280	\$18,000	\$5,040,000

JSTARS Radar Replacement *Replaces existing radar	NRE	3600	1	\$1,195,470,000	\$1,195,470,000
		3010	18	\$56,190,000	\$1,011,420,000
TOTAL					\$3,140,420,000

DATA LINK/COMBAT ID	Item	Fund Type	Units Required	Unit Cost	Program Cost
HH-60 Tactical Data Link (TDL) *Low cost data link designed give real time threat and friendly information.	NRE	3010	1	\$2,000,000	\$2,000,000
	SADL kits	3010	20	\$120,000	\$2,400,000
MQ-1/MQ-9 Operations Center SATCOM *Fully integrated system supporting GWOT and homeland defense mission	System	3080	5	\$750,000	\$3,750,000
	Test Bed	3080	1	\$750,000	\$750,000
HC/MC-130 BLOS/LOS Tactical Data Link (TDL) *Low cost data link designed give real time threat and friendly information.	NRE	3010	1	\$1,750,000	\$1,750,000
	SADL	3010	13	\$240,000	\$3,120,000
	MFCD	3010	43	\$70,000	\$3,010,000
PJ/ST Situational Awareness Suite *Provides improved situational awareness during Combat Search and Rescue operations	NRE	3080	1	\$750,000	\$750,000
	SADL LITE	3080	100	\$20,000	\$2,000,000

DATA LINK/COMBAT ID	Item	Fund Type	Units Required	Unit Cost	Program Cost
PJ/ST Situational Awareness Suite *Provides improved situational awareness during Combat Search and Rescue operations	MVR	3080	50	\$5,000	\$250,000
	RAVEN	3080	50	\$40,000	\$2,000,000
	Quickdraw	3080	28	\$20,000	\$560,000
	Power Amps PRC-148/152	3080	10	\$7,000	\$70,000
A-10/F-16/F-15 Secure Line-of-Sight (SLOS) and Beyond LOS (BLOS) Radio *Enhances time sensitive targeting and coordination with ground forces.	A-10 NRE	3010	1	\$3,000,000	\$3,000,000
	A-10 (SLOS)	3010	115	\$80,000	\$9,200,000
	F-16 ARC-210	3010	347	\$100,000	\$34,700,000
	F-16 (BLOS)	3010	291	\$160,000	\$46,560,000
	F-15 (BLOS)	3010	140	\$400,000	\$56,000,000
HH-60 Secure Multi-Spectrum Radio *Provides secure com for HD missions	Antenna system	3010	18	\$10,000	\$180,000
	Transceiver	3010	18	\$40,000	\$720,000

DATA LINK/COMBAT ID	Item	Fund Type	Units Required	Unit Cost	Program Cost
HH-60 Secure Multi-Spectrum Radio *Provides secure com for HD missions	Control Head	3010	18	\$10,000	\$180,000
	Installation	3010	18	\$2,000	\$36,000
DCGS - Unclassified PED *Allows ANG to process unclassified imagery	DCGS 10.2	3080	6	\$2,820,000	\$16,920,000
	GFE	3080	6	\$1,120,000	\$6,720,000
	Crew comm suites	3080	6	\$1,710,000	\$10,260,000
	Tech Refresh	3080	1	\$3,500,000	\$3,500,000
MQ-1/MQ-9 Integrated Operations Center SADL *Adds SADL to POC/ROC	System	3080	5	\$120,000	\$600,000
	Test Bed	3080	1	\$120,000	\$120,000
EC-130J SATCOM Installation *Provides SATCOM to remaining four EC-130Js for compatibility/interoperability.	Group B	3010	4	\$500,000	\$2,000,000
Voice Comm between DCGS, POC and Theater Units *Provides a TS/SCI comm network	DCGS 10.2	3080	3	\$2,820,000	\$8,460,000
	GFE	3080	3	\$1,120,000	\$3,360,000

DATA LINK/COMBAT ID	Item	Fund Type	Units Required	Unit Cost	Program Cost
Voice Comm between DCGS, POC and Theater Units *Provides a TS/SCI comm network	Crew comm suites	3080	3	\$710,000	\$2,130,000
	Tech Refresh	3080	1	\$3,500,000	\$3,500,000
EC-130J - Wideband Satellite Connectivity *Provide POTUS with the capability to broadcast to a target audience throughout the globe.	NRE	3010	1	\$2,000,000	\$2,000,000
	SATCOM Kits	3010	5	\$1,600,000	\$8,000,000
KC-135 Tactical Data Link (TDL) *Low cost data link designed give real time threat and friendly information.	Group A	3010	190	\$80,000	\$15,200,000
	TDL Radios	3010	190	\$60,000	\$11,400,000
	TDL Processors	3010	190	\$75,000	\$14,250,000
DCGS Wideband link to Warfighter *Provides a F2T2EA link	DCGS 10.2	3080	1	\$3,530,000	\$3,530,000
	GMT/TMET	3080	3	\$2,800,000	\$8,400,000
	Satellite Interfaces	3080	3	\$1,540,000	\$4,620,000
	CAN	3080	2	\$1,960,000	\$3,920,000
	WAN	3080	1	\$3,600,000	\$3,600,000

DATA LINK/COMBAT ID	Item	Fund Type	Units Required	Unit Cost	Program Cost
J-STARS Wideband Communications Upgrade *Permits jam resistant BMC2 comm	NRE	3600	1	\$41,920,000	\$41,920,000
	Kits	3010	18	\$4,660,000	\$83,880,000
C-17 Data Link & Transfer Capability *Provides BLOS data link		3010	8	\$800,000	\$6,400,000
RC-26 Data Link *Adds data link capability	NRE	3010	1	\$500,000	\$500,000
	Kits	3010	11	\$310,000	\$3,410,000
Senior Scout PL-2 Security Accreditation *Enables connectivity to the NIC		3010	1	\$150,000	\$150,000
Senior Scout Wideband Reachback *Supports CENTCOM	NRE	3600	1	\$4,700,000	\$4,700,000
	TCDL	3010	1	\$1,800,000	\$1,800,000
C-130 Tactical Data Link (TDL) *Low cost data link designed give real time threat and friendly information.	TDL	3010	225	\$325,000	\$73,125,000
KC-135 Situational Awareness Cockpit Display Unit (CDU) *Provides increased situational awareness in cockpit		3010	380	\$35,000	\$13,300,000

DATA LINK/COMBAT ID	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-130 Situational Awareness Cockpit Display Unit *Increases pilot situational awareness and aircraft data processing capability		3010	393	\$35,000	\$13,755,000
A-10 LARS V-12 Upgrade *Increases situational awareness during Combat Search and Rescue (CSAR) missions.	NRE	3600	1	\$750,000	\$750,000
	Group B	3010	115	\$65,000	\$7,475,000
				TOTAL	\$556,641,000

24-HOUR OPERATIONS	Item	Fund Type	Units Required	Unit Cost	Program Cost
RC-26 Avionics Modernization *Updates the RC-26 avionics suite to address CNS/ATM compliance requirements	NRE	3010	1	\$4,500,000	\$4,500,000
	Kits	3010	11	\$1,980,000	\$21,780,000
C2 Air Defense Sector (ADS) Tactical Satellite Communications (TACSAT) *Provides BLOS comm		3840	60	\$28,000	\$1,680,000
RC-26 Night Vision Imaging System *NVIS compatible cockpit lighting	NRE	3010	1	\$250,000	\$250,000
	Kits	3010	11	\$280,000	\$3,080,000

24-HOUR OPERATIONS	Item	Fund Type	Units Required	Unit Cost	Program Cost
RC-26 Radio Volume Control Replacement *Improves RC-26 radio communications	NRE	3010	1	\$550,000	\$550,000
	Kits	3010	11	\$240,000	\$2,640,000
F-15 Digital Video Recorder (DVR) *Replaces outdated analog video tape	DVR Kits	3010	140	\$50,000	\$7,000,000
C-21A Global Positioning System Upgrade *Upgrades GPS		3010	21	\$100,000	\$2,100,000
KC-135 Night Vision Google Compatible Lighting *Will allow aircrews to perform missions while wearing NVG's, to include air refueling.		3010	190	\$250,000	\$47,500,000
MQ-1/MQ-9 Dedicated & Protected network architecture *Protects land line connectivity	System	3080	5	\$4,200,000	\$21,000,000
	Test Bed	3080	1	\$4,200,000	\$4,200,000
Air Traffic Control Radar Approach Control (RAPCON) *Updated radar for ANG ATC		3080	10	\$23,000,000	\$230,000,000
C-40C Avionics Upgrade *Upgrades avionics		3010	3	\$1,190,000	\$3,570,000
C-21A Enhanced Mode-S Upgrade *Allows for flight in European airspace after FY09.		3010	21	\$550,000	\$11,550,000
C-130 Integrated Night Vision Imaging System (NVIS) Cockpit Lighting		3010	109	\$3,500,000	\$381,500,000

24-HOUR OPERATIONS	Item	Fund Type	Units Required	Unit Cost	Program Cost
*Provides panoramic NVGs for increased capability and safety.					
				TOTAL	\$742,900,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
Security Forces Upgraded Personnel Protective Equipment *Provides essential protection against improvised explosive devices (IEDs)	OTV	3840	9200	\$650	\$5,980,000
	SAIP Plates	3840	18400	\$630	\$11,592,000
Enhanced Survivability of Special Tactics (STS) Combat Controllers (Mounted) *Provides PJ/ST's combat vehicles	M-1165A1 HMMWV	3080	2	\$110,000	\$220,000
	M-1165A1 Armor Modifications	3080	4	\$100,000	\$400,000
	Star Safire FLIR (Targeting/SA R)	3080	4	\$500,000	\$2,000,000
	Sapper Auto DCP	3080	4	\$19,000	\$76,000
	Prowler Combat ATV (DU-24)	3080	8	\$8,000	\$64,000
	Ranger/Gator ATV (VU-104)	3080	4	\$8,000	\$32,000
Commando Solo RF Mapping Program *Optimizes RF jamming		3010	1	\$1,000,000	\$1,000,000
A-10 Missile Warning System *Provides warning against man-portable IR threats and increases survivability.		3010	65	\$230,000	\$14,950,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-130E/H/J SAFIRE Observer Rear Lookout *Allows for wide-angle view from the 3 o'clock to 9 o'clock continuum behind the aircraft	NRE	3600	1	\$14,000,000	\$14,000,000
	Installation	3010	1	\$9,300,000	\$9,300,000
	Lookout Windows	3010	189	\$650,000	\$122,850,000
C-17 Rear Aspect Visual Scan Capability *Allows for wide-angle view from the 3 o'clock to 9 o'clock continuum behind the aircraft		3010	8	\$1,500,000	\$12,000,000
KC-135 Advanced Infrared Countermeasures (IRCM) Defensive Systems *Allows KC-135 aircraft to fly in an environment of increasing threat complexity and lethality.	NRE	3600	1	\$12,500,000	\$12,500,000
	Group A	3010	172	\$300,000	\$51,600,000
	Group B	3010	86	\$1,500,000	\$129,000,000
Security Forces M4 Rifle Upgrades *Provides SF upgraded rifles.	M4 Rifles	3011	9200	\$590	\$5,428,000
	30 round M4 magazines	3840	64400	\$10	\$644,000
	Weapons accessories	3840	9200	\$1,800	\$16,560,000
	Adapter rail protective covers	3011	36800	\$80	\$2,944,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
Security Forces M2/M240/M249 Upgrades *Provides SF upgraded weapons.	M2 .50 caliber machine guns	3011	184	\$8,500	\$1,564,000
	Raptor 6x night vision optics	3080	184	\$6,900	\$1,269,600
	AN/PEQ-2A Laser aiming	3080	1104	\$1,000	\$1,104,000
	Raptor 4x night vision optics	3080	1104	\$6,400	\$7,065,600
	Atilla-200	3080	1104	\$1,600	\$1,766,400
	AN/PVS-14 Night vision optics	3080	1104	\$3,600	\$3,974,400
	M-145 Optics	3080	1104	\$670	\$739,680
	Warrior Pack Kit	3080	80	\$7,000	\$560,000
	MicroLight Data Link	3080	40	\$17,000	\$680,000
	Eotech	3080	60	\$600	\$36,000
	H&K 416 Uppers	3080	40	\$1,000	\$40,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
PJ/ST Oxygen System Suite *Provides for high altitude operations.	Medical O2	3080	12	\$20,000	\$240,000
	Mountain O2	3080	20	\$80,000	\$1,600,000
F-15 Advanced Digital Radar Warning Receiver (RWR) and Passive Threat Geo-location *Replaces outdated RWR	NRE	3600	1	\$10,000,000	\$10,000,000
		3010	127	\$1,200,000	\$152,400,000
EC-130J - Advanced Infrared Countermeasures (IRCM). *Allows EC-130J aircraft to fly in an increasing threat environment	NRE	3600	1	\$3,500,000	\$3,500,000
	Group A	3010	7	\$850,000	\$5,950,000
	Group B	3010	7	\$3,000,000	\$21,000,000
C-17 AN/AAQ-24 Large Aircraft Infrared Countermeasures (LAIRCM) *Allows C-17 aircraft to fly in an increasing threat environment	Group A	3010	8	\$2,100,000	\$16,800,000
	Group B	3010	8	\$3,000,000	\$24,000,000
PJ/ST Tactical Vehicle *Provides critical vehicle improvements	TGV	3080	12	\$250,000	\$3,000,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-130 Loadmaster Crashworthy Seat *Provides the C-130 Loadmaster with a seat able to withstand excessive impact.		3010	219	\$150,000	\$32,850,000
C-5 Aircraft Defensive System (ADS) *Provides the C-5 with AAR-47 MWS and ALE-47 CMDS		3010	17	\$1,300,000	\$22,100,000
HC/MC-130 Enhanced Situational Awareness Suite *Enhances situational awareness with advanced EO sensors	NRE	3600	1	\$1,500,000	\$1,500,000
	FMV Mods	3010	13	\$300,000	\$3,900,000
	EO/IR Sensor upgrades	3010	13	\$300,000	\$3,900,000
NRE(ALR-69A) ALR-69A for C-130s without RWRs	3600	1	10,000,000	\$10,000,000	\$10,000,000
	3010	72	\$1,220,000	\$87,840,000	\$15,750,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
NRE (ALR-69) ALR-69 upgrade for C-130s with existing RWRs	3600	1	\$15,000,000	\$15,000,000	\$10,000,000
	3010	69	\$130,000	\$8,970,000	\$44,000,000
	NRE (F-16)	3600	1	10,000,000	\$10,000,000
	EA Pods – F-16	3010	146	\$800,000	\$116,800,000
F-16 Advanced Radar Warning Receiver and Passive Threat Geo-location *Enhanced threat detection and azimuth accuracy	NRE (ALR-69)	3600	1	\$15,000,000	\$15,000,000
	F-16 Blk 30/42 ALR-69 Upgrade	3010	301	\$110,000	\$33,110,000
	NRE (ALR-56M)	3600	1	\$50,000,000	\$50,000,000
	F-16 BLK 40/50/52 ALR-56M upgrade	3010	46	\$330,000	\$15,180,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-130 Advanced Radar Warning Receiver(RWR) *Provides/Upgrades the ANG C-130 fleet with a more capable RWR.	NRE(ALR-69A)	3600	1	10,000,000	\$10,000,000
	ALR-69A for C-130s without RWRs	3010	72	\$1,220,000	\$87,840,000
	NRE (ALR-69)	3600	1	\$15,000,000	\$15,000,000
	ALR-69 upgrade for C-130s with existing RWRs	3010	69	\$130,000	\$8,970,000
	NRE(ALR-69A)	3600	1	10,000,000	\$10,000,000
	ALR-69A for C-130s without RWRs	3010	72	\$1,220,000	\$87,840,000
	NRE (ALR-69)	3600	1	\$15,000,000	\$15,000,000
	ALR-69 upgrade for C-130s with existing RWRs	3010	69	\$130,000	\$8,970,000
	NRE(ALR-56M)	3600	1	\$50,000,000	\$50,000,000
	ALR-56M upgrade for C-130J with existing RWRs	3010	31	\$380,000	\$11,780,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
HH-60 Defensive Armament Upgrade *Provides .50 caliber machine gun capability.	M134D	3010	36	\$60,000	\$2,160,000
	GAU-21	3010	36	\$140,000	\$5,040,000
C-130 Missile Approach Warning System Upgrade *Provides crews with an upgraded MWS.		3010	186	\$150,000	\$27,900,000
C-5 Advanced Infrared Countermeasures (IRCM). *Allows C-5 aircraft to fly in an increasing threat environment	Group A	3010	31	\$4,500,000	\$139,500,000
	Group B	3010	31	\$3,000,000	\$93,000,000
	Support Equip	3010	3	\$29,390,000	\$88,170,000
Security Forces Mobility Bag Upgrades *Provides SF mobility bag upgrades	A Bag	3840	9200	\$9,300	\$85,560,000
	B Bag	3840	9200	\$1,300	\$11,960,000
	C Bag	3840	9200	\$880	\$8,096,000
	E Bag	3840	9200	\$880	\$8,096,000
	Kits	3010	2	\$3,000,000	\$6,000,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
HC/MC-130 LARS AN/ARS-6 V12 Upgrade *Displays additional survivor information (coordinates and messaging) in all aircraft cockpits.	NRE	3600	1	\$2,500,000	\$2,500,000
	Group B	3010	13	\$170,000	\$2,210,000
F-15 BOL Infrared Countermeasures Upgrade *Provides global positioning for F-15 aircraft per congressional direction.		3010	127	\$230,000	\$29,210,000
C-17 Remote Defensive Manual Dispense Switches *Provides capability for loadmaster to dispense countermeasures.		3010	8	\$1,000,000	\$8,000,000
HH-60 Helmet Mounted Cueing System (HMCS) *Provides enhanced crew awareness	NRE	3600	1	\$5,000,000	\$5,000,000
	Group A	3010	18	\$280,000	\$5,040,000
	Group C	3010	120	\$70,000	\$8,400,000
	NV Units	3010	120	\$50,000	\$6,000,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-17 Advanced Situational Awareness Countermeasures system (ASACM) *Provides C-17 with RF threat avoidance capability.		3010	8	\$1,000,000	\$8,000,000
C-130 - Advanced Infrared Countermeasures (IRCM). *Allows C-130 aircraft to fly in an increasing threat environment	Group A	3010	58	\$850,000	\$49,300,000
	Group B	3010	29	\$3,000,000	\$87,000,000
C-130J Advanced Infrared Countermeasures (IRCM) *Allows C-130J aircraft to fly in an increasing threat environment	Group A	3010	24	\$1,310,000	\$31,440,000
	Group B	3010	12	\$2,390,000	\$28,680,000
	Support Equip	3010	3	\$19,450,000	\$58,350,000
C-5 Rear Visual Scan Capability *Allows for wide-angle view from the 3 o'clock to 9 o'clock continuum behind the aircraft		3010	31	\$500,000	\$15,500,000
HC/MC-130 Dual Rails *Provides the capability to rapidly reconfigure in support of different missions.		3010	13	\$350,000	\$4,550,000

ENHANCED SURVIVABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
HC-130 - AN/AAQ-24 Large Aircraft Infrared Countermeasures (LAIRCM). *Allows HC-130 aircraft to fly in an increasing threat environment	Group B	3010	5	\$3,000,000	\$15,000,000
	Support Equip	3010	1	\$7,430,000	\$7,430,000
TOTAL					\$2,089,721,680
TOTAL COMBAT QUADRANGLE REQUIREMENTS					\$6,529,682,680

SUSTAINMENT/ SUPPORTABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
JSTARS Re-engineing *Engine retrofit modification improving performance and reliability.	NRE	3600	1	\$8,080,000	\$8,080,000
	Engine kits	3010	80	\$11,710,000	\$936,800,000
C-5 Aft Crown Skin Replacement *replaces the aft crown		3010	31	\$9,000,000	\$279,000,000

SUSTAINMENT/ SUPPORTABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
LC/HC/MC-130 Electronic Propeller Control System *Replaces synchrophasers and propeller control systems with more reliable digital controls.	Integration	3010	1	\$1,500,000	\$1,500,000
	LC/C-130	3010	9	\$500,000	\$4,500,000
	MC/HC-130	3010	13	\$500,000	\$6,500,000
LC/HC/MC-130 Eight Bladed Propeller Upgrade *Replaces existing propulsion (propellers, engine sys) with high efficiency, low MX items	Integration	3010	1	\$5,000,000	\$5,000,000
	LC-130	3010	9	\$1,500,000	\$13,500,000
	HC/MC-130	3010	13	\$1,500,000	\$19,500,000
A-10 Engine Replacement *A-10 engine replacement required to sustain the A-10 for the next 25 years.	NRE	3600	1	\$268,000,000	\$268,000,000
		3010	230	\$1,500,000	\$345,000,000
F-16 Block 42 Re- Engine *Block 42 aircraft require increased thrust to perform assigned combat tasking.	Engines	3010	17	\$5,200,000	\$88,400,000
	Install kits	3010	8	\$125,000	\$1,000,000
	Support Costs	3010	1	\$1,800,000	\$1,800,000
LC-130 Jet Assisted Take-Off Program *Procures replacement JATO rocket motors		3010	1975	\$20,000	\$39,500,000

SUSTAINMENT/ SUPPORTABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
JSTARS Prime Mission Equipment and Avionics DMS *Ensures connectivity with the future battlefield	NRE	3600	1	\$31,040,000	\$31,040,000
	Avionics Kits	3010	18	\$3,940,000	\$70,920,000
	NRE (PME)	3600	1	\$114,480,000	\$114,480,000
	PME Kits	3010	18	\$11,420,000	\$205,560,000
TOTAL					\$2,440,080,000

SUSTAINMENT/ SUPPORTABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
F-16 Full Combat Mission Trainer (FCMT) *Block 30 2-ship DMO-capable simulators for ANG combat units	O&M	3010	20	\$4,500,000	\$90,000,000
	Simulator	3840	1	\$22,500,000	\$22,500,000
KC-135 Boom Operator Simulation System (BOSS) *Provides high fidelity training ensuring increased readiness		3010	15	\$900,000	\$13,500,000
A-10 Full Mission Trainer (FMT) *Provides high fidelity DMO flight simulators		3010	2	\$4,400,000	\$8,800,000

SUSTAINMENT/ SUPPORTABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
HH-60 Full Mission Trainer (FMT) *Provides high fidelity DMO flight simulators		3010	3	\$3,000,000	\$9,000,000
Network Warfare Digital Target Ranges *Provides training range for cyber operations	Target Range	3840	4	\$2,650,000	\$10,600,000
	SCADA	3840	1	\$1,600,000	\$1,600,000
RC-26B Mission Crew Trainer (MCT) *Combines four ISR trainers into one program		3840	1	\$1,100,000	\$1,100,000
E-8 JSTARS Mission System Trainer (MST) *Provides high fidelity DMO flight simulators for formal and continuation training	NRE	3600	1	\$44,300,000	\$44,300,000
	MST	3010	1	\$15,300,000	\$15,300,000
Senior Scout Mission Crew Trainer (MCT) *Provides high-fidelity, DMO capable simulator	NRE	3010	1	\$1,440,000	\$1,440,000
	Environment Sim	3010	1	\$810,000	\$810,000
	Spares	3010	1	\$4,280,000	\$4,280,000
	Production	3010	1	\$3,470,000	\$3,470,000
RC/C-26 Joint Weapon System Trainer *Training System that will support both the Army and Air Guard.		3010	1	\$3,500,000	\$3,500,000

SUSTAINMENT/ SUPPORTABILITY	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-130/KC-135 Visual Threat Recognition & Avoidance Trainer (VTRAT) *Realistic training enabling aircrews to react quickly in an anti-aircraft threat engagement		3080	20	\$210,000	\$4,200,000
Air Control Squadron Air surveillance and Air Control (ASAC) *Increases required simulation and live mission training to maintain readiness		3840	1	\$1,750,000	\$1,750,000
		3840	1	\$2,000,000	\$2,000,000
Rangeless ACMI *P-5 Combat Training Systems to replace tethered system		3010	200	\$130,000	\$26,000,000
KC-135 Advanced Squadron Level Simulator (ASLS) *Provides high fidelity KC-135 training	NRE	3010	1	\$2,500,000	\$2,500,000
		3010	15	\$5,000,000	\$75,000,000
JTAC Simulation & Rehearsal System *Provides capability to train JTAPs and TACPs		3840	18	\$1,200,000	\$21,600,000
High End Threat Emitters (JTE/UMTE) *Simulates a realistic integrated air defense environment	JTE	3080	6	\$5,000,000	\$30,000,000
	UMTE	3080	5	\$4,500,000	\$22,500,000

NEW	Item	Fund Type	Units Required	Unit Cost	Program Cost
Control & Reporting Centers CRC Training Suites *Provides high fidelity mission rehearsal and distributed training for LD/HD assets	Suites	3840	12	\$520,000	\$6,240,000
	CRC Sim	3840	12	\$120,000	\$1,440,000
	CLS	3400	11	\$35,000	\$385,000
TOTAL					\$423,815,000

NEW	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-38 Replacement Aircraft *Supports Congressional, DOD, Air Force and National Guard Travel missions worldwide.		3010	4	\$55,000,000	\$220,000,000
C-40C (Boeing 737) Additional Aircraft *Supports Congressional, DOD, Air Force and National Guard Travel missions worldwide.		3010	1	\$95,000,000	\$95,000,000
TOTAL					\$315,000,000
TOTAL ANG FY10 MODERNIZATION REQUIREMENTS					\$9,708,577,680

SIMULATION SYSTEMS/TRAINING	Item	Fund Type	Units Required	Unit Cost	Program Cost
F-16 Full Combat Mission Trainer (FCMT) *Block 30 2-ship DMO-capable simulators for ANG combat units	O&M	3010	20	\$4,500,000	\$90,000,000
	Simulator	3840	1	\$22,500,000	\$22,500,000
KC-135 Boom Operator Simulation System (BOSS) *Provides high fidelity training ensuring increased readiness		3010	15	\$900,000	\$13,500,000
A-10 Full Mission Trainer (FMT) *Provides high fidelity DMO flight simulators		3010	2	\$4,400,000	\$8,800,000
HH-60 Full Mission Trainer (FMT) *Provides high fidelity DMO flight simulators		3010	3	\$3,000,000	\$9,000,000
Network Warfare Digital Target Ranges *Provides training range for cyber operations	Target Range	3840	4	\$2,650,000	\$10,600,000
	SCADA	3840	1	\$1,600,000	\$1,600,000
RC-26B Mission Crew Trainer (MCT) *Combines four ISR trainers into one program		3840	1	\$1,100,000	\$1,100,000
E-8 JSTARS Mission System Trainer (MST) *Provides high fidelity DMO flight simulators for formal and continuation training	NRE	3600	1	\$44,300,000	\$44,300,000
	MST	3010	1	\$15,300,000	\$15,300,000
Senior Scout Mission Crew Trainer (MCT) *Provides high-fidelity, DMO capable simulator	NRE	3010	1	\$1,440,000	\$1,440,000
	Environment Sim	3010	1	\$810,000	\$810,000
	Spares	3010	1	\$4,280,000	\$4,280,000
	Production	3010	1	\$3,470,000	\$3,470,000

SIMULATION SYSTEMS/TRAINING	Item	Fund Type	Units Required	Unit Cost	Program Cost
RC/C-26 Joint Weapon System Trainer *Training System that will support both the Army and Air Guard.		3010	1	\$3,500,000	\$3,500,000
C-130/KC-135 Visual Threat Recognition & Avoidance Trainer (VTRAT) *Realistic training enabling aircrews to react quickly in an anti-aircraft threat engagement		3080	20	\$210,000	\$4,200,000
Air Control Squadron Air surveillance and Air Control (ASAC) *Increases required simulation and live mission training to maintain readiness		3840	1	\$1,750,000	\$1,750,000
		3840	1	\$2,000,000	\$2,000,000
Rangeless ACMI *P-5 Combat Training Systems to replace tethered system		3010	200	\$130,000	\$26,000,000
KC-135 Advanced Squadron Level Simulator (ASLS) *Provides high fidelity KC-135 training	NRE	3010	1	\$2,500,000	\$2,500,000
		3010	15	\$5,000,000	\$75,000,000
JTAC Simulation & Rehearsal System *Provides capability to train JTAPs and TACPs		3840	18	\$1,200,000	\$21,600,000
High End Threat Emitters (JTE/UMTE) *Simulates a realistic integrated air defense environment	JTE	3080	6	\$5,000,000	\$30,000,000
	UMTE	3080	5	\$4,500,000	\$22,500,000

SIMULATION SYSTEMS/TRAINING	Item	Fund Type	Units Required	Unit Cost	Program Cost
Control & Reporting Centers CRC Training Suites *Provides high fidelity mission rehearsal and distributed training for LD/HD assets	Suites	3840	12	\$520,000	\$6,240,000
	CRC Sim	3840	12	\$120,000	\$1,440,000
	CLS	3400	11	\$35,000	\$385,000
TOTAL					\$423,815,000

NEW	Item	Fund Type	Units Required	Unit Cost	Program Cost
C-38 Replacement Aircraft *Supports Congressional, DOD, Air Force and National Guard Travel missions worldwide.		3010	4	\$55,000,000	\$220,000,000
C-40C (Boeing 737) Additional Aircraft *Supports Congressional, DOD, Air Force and National Guard Travel missions worldwide.		3010	1	\$95,000,000	\$95,000,000
TOTAL					\$315,000,000
TOTAL ANG FY10 MODERNIZATION REQUIREMENTS					\$9,708,577,680

Unfunded Modernization Priority List Funding Profiles

Unfunded Modernization Priority List Funding Profiles

Note: Dollars are in Millions,

Source: NGB/A5, November 2008

Appropriation Legend: ¹ 3840, ² 3010, ³ 3600, ⁴ 3080

A-10

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	FYDP Total
HMCS	027131F	- \$8.00 ³	7.56 ² \$8.00 ³	\$7.56 ² -	\$2.88 ² -	- -	\$34.00
Missile Warning System	027131F	\$7.48 ²	\$7.47 ²	-	-	-	\$14.95
Digital RWR	027131F	\$7.88 ² \$10.00 ³	\$7.87 ² -	- -	- -	- -	\$25.75
EA Pod Upgrade	027131F	\$8.00 ² \$10.00 ³	\$20.00 ² -	\$16.00 ² -	- -	- -	\$54.00
2 nd ARC-210 Radio	027131F	\$6.68 ²	\$3.68 ²	\$1.84 ²	-	-	\$12.20
LARS V-12	027131F	- \$0.75 ³	\$2.99 ² -	\$2.99 ² -	\$1.50 ² -	- -	\$8.23
Engine Replacement	027131F	- \$75.25 ³	- \$107.25 ³	\$76.50 ² \$85.50 ³	\$98.16 ² -	\$98.16 ² -	\$540.82
4 th Gen Upgrade VDL Kits	207249F	\$32.00 ² \$0.48 ²	\$6.00 ² -	- -	- -	- -	\$38.48

- Helmet Mounted Cueing System (HMCS) - Provides off-boresight day/night targeting capability and builds pilot situational awareness.
- Missile Warning System - Provides warning against man-portable IR threats and other Surface-to-Air-Missiles (SAMs).

- A digital Radar Warning Receiver (RWR) will significantly improve all RWR functions such as increased response time and radar threat identification / location.
- Electronic Attack (EA) Pods - Upgrades pods with digital radio frequency memory (DRFM) technology for enhanced self-protection against current and emerging threats.
- A second ARC-210 radio will replace the remaining A-10 legacy radios and provide a state-of-the-art communications suite.
- Lightweight Airborne Radio System (LARS) Upgrade - Provides increased situational awareness during Combat Search and Rescue (CSAR) Missions.
- Engine Replacement - Required to increase agility at medium / high altitude, provide increased combat munitions loads, and sustain the A-10 for the next 20 years.
- 4th Generation Upgrade / Video Downlink (VDL) Kits - All targeting pods require a 4th generation upgrade to enhance overall targeting pod employment and a Video Downlink (VDL) capability.

Airborne Manned Intelligence, Surveillance, and Reconnaissance (ISR)

Program	PE Number	FY10	FY11	FY12	FY13	FY14	Total
RC-26 Avionics Modernization	0502889F	\$10.89 ² \$4.50 ²	\$10.89 ² -	- -	- -	- -	\$26.28
RC-26 NVIS Compatible Cockpit	0502889F	\$3.08 ² \$0.25 ²	- -	- -	- -	- -	\$3.33
RC-26 Radio Volume Control	0502889F	\$2.64 ² \$0.55 ²	- -	- -	- -	- -	\$3.19
RC-26 Data Link Connectivity	0502889F	\$3.41 ² \$0.50 ²	- -	- -	- -	- -	\$3.91
SENIOR SCOUT PL-2 Security Accreditation	0503115F	\$0.15 ²	-	-	-	-	\$0.15
SENIOR SCOUT Wideband Reachback	0503115F	\$5.50 ²	-	-	-	-	\$5.50

- RC-26 Avionics Modernization - Several upgrades are needed due to obsolescence and sustainment issues. The flight management system is unreliable and requires replacement. FMS immunity is required for the radios in accordance with FAA and ICAO regulations.
- RC-26 NVIS-Compatible Cockpit - Provides the capability to operate out of blacked-out airfields in the AOR and for lights-out operation over populated regions when required for domestic operations.
- RC-26 Radio Volume Control - Individual volume control will allow each crew position to listen to multiple radios, while setting a particular radio as PRIMARY for that crew position.
- RC-26 Data Link Connectivity - Provides enhanced situational awareness, enables platform-to-platform data exchange, and facilitates sensor point of interest tracking.

- SENIOR SCOUT PL-2 Security Accreditation - Systems and subsystems accreditation required by the National Intelligence Community (NIC) in order to continue operations with host nation operators onboard.
- SENIOR SCOUT Wideband Reachback - Near real-time streaming of SENIOR SCOUT information to national and tactical users.

Command and Control

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
ADS TACSAT BLOS	0502671F	\$1.68 ¹	-	-	-	-	\$1.68
ASOC/TACP LASER Range Marker	0502671F	\$5.00 ¹	-	-	-	-	\$5.00
ATC Radar Approach Control (RAPCON)	0502671F	\$46.00 ⁴	\$46.00 ⁴	\$46.00 ⁴	\$46.00 ⁴	\$46.00 ⁴	\$230.00

- ADS TACSAT - Provides 30 multi-frequency, high band (400-512 MHz) capable, anti-jam, secure, data capable TACSAT at WADS and NEADS to achieve 100% communication coverage in CONUS.
- TACP LASER Range Finder – JTACs/TACPs need a dismounted hand help weapon mountable targeting capability
- ATC RAPCON – Up to date mobile air traffic control systems to replace outdated 1950's equipment

C-5

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Aft Crown Skin Replacement	0401119	\$55.80 ²	\$55.80 ²	\$55.80 ²	\$55.80 ²	\$55.80 ²	\$279.00
Aircraft Defensive System (ADS)	0401119	\$22.10 ²	-	-	-	-	\$22.10
Advanced Infrared Countermeasures (IRCM) Self-Protection Suite	041134F	\$64.15 ²	\$64.13 ²	\$64.13 ²	\$64.13 ²	\$64.13 ²	\$342.77
Rear Aspect Visual Scan Capability	0401119	\$15.50 ²	-	-	-	-	\$15.50

- C-5 Aft Crown Skin Replacement - Provides structural remedy which allows for minimal or no cargo weight restriction
- C-5 Aircraft Defensive System (ADS) - Provides the C-5 with AAR-47 (V2+) Missile Warning System (MWS) and ALE-47 Countermeasures Dispensing System (CMDS) to detect and counter infrared (IR) Man-Portable Air Defense Systems (MANPADS).
- C-5 Advanced Infrared Countermeasures (IRCM) Self-Protection Suite - Allows aircraft to survive in an environment of increasingly lethal and complex threats.
- C-5 Rear Aspect Visual Scan Capability - Allows for wide-angle view from the 3 o'clock to 9 o'clock continuum behind the aircraft.

C-17

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Rear Aspect Visual Scan Capability	0401130	\$12.00 ²	-	-	-	-	\$12.00
Large Aircraft Infrared Countermeasure (LAIRCM)	041134F	\$20.40 ²	\$20.40 ²	-	-	-	\$40.80
Remote Defensive System Manual Dispense Control	0401130	\$8.00 ²	-	-	-	-	\$8.00
Data Link and Data Transfer Capability	0401130	\$6.40 ²	-	-	-	-	\$6.40
Advanced Situational Awareness Countermeasures System (ASACMS)	0401130	\$8.00 ²	-	-	-	-	\$8.00

- C-17 Rear Aspect Visual Scan Capability - Allows for wide-angle view from the 3 o'clock to 9 o'clock continuum behind the aircraft.
- C-17 Large Aircraft Infrared Countermeasures (LAIRCM) - Allows C-17 aircraft to survive in an environment of increasing complexity of threats and lethality.
- C-17 Remote Defensive System Manual Dispense Control - Adds additional chaff and flare dispenser switches at the rear scanner position as well as the pilot and copilot sticks.
- C-17 Data Link and Data Transfer Capability - Provides critical real-time information to aircrews and greatly increases their survivability in combat operations.
- C-17 Advanced Situational Awareness Countermeasures System (ASACMS) - Provides an integrated framework of protection from radar guided weapons.

C-130

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
C-130 SAFIRE Lookout	0401115	\$12.15 ² \$1400 ³	\$30.00 ²	\$30.00 ²	\$30.00 ²	\$30.00 ²	\$146.15
LM Crashworthy Seat	0401115	\$32.50 ² \$0.50 ³	\$26.00 ² -	- -	- -	- -	\$59.00
C-130 Digital RWR	0401115	\$28.49 ² \$25.00 ³	\$17.08 ² \$25.00 ³	\$17.08 ² \$25.00 ³	\$28.86 ²	\$17.08 ²	\$183.59
C-130 MWS Upgrade	0401115	\$15.00 ²	\$12.90 ²	-	-	-	\$27.90
C-130 Advanced IRCM	0401134	\$35.65 ²	\$25.65 ²	\$25.00 ²	\$25.00 ²	\$25.00 ²	\$136.30
C-130J Advanced IRCM	0401134	\$29.62 ²	\$29.62 ²	\$29.62 ²	\$29.61 ²	-	\$118.47
C-130 Tactical Data Link	0401115	\$19.00 ²	\$19.00 ²	\$19.00 ²	\$16.13 ²	-	\$73.13
C-130 SA Cockpit Display Unit (CDU)	0401115	\$13.75 ²	-	-	-	-	\$13.75
C-130 Integrated NVIS Cockpit Lighting	0401115	\$76.30 ²	\$76.30 ²	\$76.30 ²	\$76.30 ²	\$76.30 ²	\$381.50

- C-130 Surface-to-Air Fire (SAFIRE) Look-Out Capability - Allows for wide-angle view from the 3 o'clock to 9 o'clock continuum behind the aircraft.
- Loadmaster (LM) Crashworthy Seat - Provides the Loadmaster with a crashworthy seat able to withstand excessive impact or wheels up landing forces.
- C-130 Digital Radar Warning Receiver (RWR) - Provides the fleet with an advanced, digital RWR capable of ensuring adequate defensive situational awareness against present and future threats.

- C-130 Missile Warning System (MWS) Upgrade - Enhances existing missile warning system to provide operationally acceptable probabilities of detection and false alarms.
- C-130/C-130J - Advanced Infrared Counter Measures (IRCM) - Allows aircraft to survive in an environment of increasingly complex threats and lethality.
- C-130 Tactical Data Link (TDL) - Provides critical real-time information to C-130 aircrews and greatly increase their survivability in combat operations.
- C-130 Cockpit Display Unit (CDU) - View real-time data for aircrew mission flexibility.
- C-130 Integrated Night Vision Imaging System (NVIS) Cockpit Lighting – Integrated NVIS compatible cockpit provides an increased capability for aircrew during night modes of operations.

HC/MC-130

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
HC/MC-130 Tactical Data Link	0207224	\$7.88 ²	-	-	-	-	\$7.88
HC/MC-130 Enhanced AMC	0207224	\$9.30 ²	-	-	-	-	\$9.30
HC/MC-130 LARS AN/ARS-6 V12	0207224	\$4.71 ²	-	-	-	-	\$4.71
HC/MC-130 Dual Rails	0207224	\$4.55 ²	-	-	-	-	\$4.55
HC/MC/LC -130 EPCS	0401115F	\$8.00 ²	-	-	-	-	\$8.00
HC/MC/LC -130 Propeller Upgrade	0401115F	\$24.50 ²	-	-	-	-	\$24.50
HC-130 AN/AAQ-24 (LAIRCM)	0401134	\$23.43 ²	-	-	-	-	\$23.43

- HC/MC-130 Tactical Data Link - The HC/MC-130 networked with other assets in theater, enhanced Situational Awareness (SA) for Combat Search and Rescue Task Force (CSARTF) missions, and reduced fratricide for CSAR forces.
- HC/MC-130 Enhanced Airborne Mission Commander - Upgrades all HC/MC-130 Rescue aircraft to full Airborne Mission Commander capability to include the ability to transmit full motion video (FMV) from EO/IR sensors, and Multi-Function Color displays.
- HC/MC-130 AN/ARS-6 V12 LARS - This Lightweight Airborne Radio System (LARS) modernizes direction finding equipment to enable HC/MC-130s to interrogate survival radios.
- HC/MC-130 Dual Rails Enhanced Cargo Handling System - Provides HC/MC-130 aircraft with rapid onload/offload of both cargo and internal fuel tanks adding mission flexibility.

- HC/MC/LC Electronic Propeller Control System (EPCS) - Updates the existing mechanical synchronizer and propeller control system with digital electronics for improved reliability.
- HC/MC/LC-130 Propeller Improvement Program - Changes propellers to an eight-bladed variant that improves takeoff performance and reduces the logistics footprint.
- HC-130 AN/AAQ-24 Large Aircraft Infrared Counter Measure (LAIRCM) - Allows aircraft to survive in an environment of increasingly complex threats and lethality.

EC-130J

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
EC-130J SATCOM	0401132	\$2.00 ²	-	-	-	-	\$2.00
EC-130J Advanced IRCM	0401134	\$30.45 ²	-	-	-	-	\$30.45
EC-130J Wideband Satellite Connectivity	0401132	\$2.00 ³	\$4.80 ²	\$3.20 ²	-	-	\$10.00
Direction Finding Equipment	0401132	\$3.39 ³	\$6.13 ² \$0.10 ³	-	-	-	\$9.62

- EC-130J Satellite Communications (SATCOM) Installation - Provides SATCOM capability to ensure compatibility and interoperability with SOF assets and theater Command and Control structures.
- EC-130J - Advanced IRCM - Allows aircraft to survive in an environment of increasingly complex threats and lethality.
- EC-130J Wideband Satellite Connectivity - Provide President of the United States (POTUS) with the capability to broadcast to a target audience throughout the globe.
- EC-130J Direction Finding - Allows optimized antennas for frequency spectrum scanning and broadcasts to conform in Geo-Political borders.

LC-130

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
LC-130 Electronic Propeller Control System (EPCS)	0401115F	\$6.00 ²	-	-	-	-	\$6.00
LC-130 Eight Bladed Propellers	0401115F	\$18.50 ²	-	-	-	-	\$18.50
LC-130 JATO Replacement	0401115F	\$7.30 ²	\$7.60 ²	\$7.90 ²	\$8.20 ²	\$8.50 ²	\$39.50

- LC-130 Electronic Propeller Control System (EPCS) - Updates the existing mechanical synchronizer and propeller control system with digital electronics for improved reliability.
- LC-130 Propeller Improvement Program - Changes propellers to an eight-bladed variant that improves takeoff performance and reduces the logistics footprint.
- LC-130 Jet-Assisted Take-Off (JATO) Replacement Program - Funds production of new JATO motors.

Distributed Mission Operations and Simulation Systems

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
F-16 FCMT	0207701	\$3.60 ¹ \$27.00 ²	\$4.10 ¹ \$27.00 ²	\$4.60 ¹ \$27.00 ²	5.00 ¹ \$9.00 ²	\$5.20 ¹ -	\$112.50
KC-135 BOSS	051411F	\$3.60 ²	\$3.60 ²	\$3.60 ²	\$2.70 ²	-	\$13.50
A-10 FMT	0207131	\$4.40 ²	\$4.40 ²	-	-	-	\$8.80
HH-60G FMT	0207224	\$3.00 ²	\$6.00 ²	-	-	-	\$9.00
RC-26B MCT	0502889	\$1.10 ¹	-	-	-	-	\$1.10
E-8C MST	0207581	- \$15.50 ³	- \$19.50 ³	- \$9.30 ³	\$15.30 ² -	- -	\$59.60
SENIOR SCOUT MCT	0503115	\$10.00 ²	-	-	-	-	\$10.00
RC/C-26 JWST	0502889	\$3.50 ²	-	-	-	-	\$3.50
MAF VTRAT	0401115	\$2.10 ⁴	\$2.10 ⁴	-	-		\$4.20
ACS ASAC	052672	\$2.15 ¹	0.40 ¹	0.40 ¹	0.40 ¹	0.40 ¹	\$3.75
Rangeless ACMI	0207429	\$6.50 ²	\$6.50 ²	\$6.50 ²	\$6.50 ²	-	\$26.00
KC-135 ASLS	051411F	\$7.50 ²	\$25.00 ²	\$25.00 ²	\$20.00 ²	-	\$77.50
JTAC Sim and Rehearsal System	0207701	\$7.20 ¹	\$7.20 ¹	\$7.20 ¹	-	-	\$21.60
JTE / UMTE	0207429	\$14.00 ⁴	\$13.50 ⁴	\$15.00 ⁴	\$10.00 ⁴	-	\$52.50
CRC Training Suite	052672	\$2.95 ¹	\$2.95 ¹	\$2.95 ¹	-	-	\$8.84

- F-16 Full Combat Mission Trainer - High fidelity Block 30 DMO-capable simulators for ANG units. Unit devices supplemented by 4 ship Regional Mission Training Centers.
- KC-135 Boom Operator Simulation System (BOSS) - Provides a high fidelity, fully DMO capable squadron level boom operator simulator for KC-135 squadrons.
- A-10 FMT - Provides follow-on procurement of two DMO-capable high fidelity flight simulators for A-10 aircrews.
- HH-60G Full Mission Trainer (FMT) - High fidelity, DMO-capable immersive full cabin simulator for ANG CSAR aircrews.
- RC-26B Mission Crew Trainer (MCT) - Immersive training device for RC-26B MSO initial and continuation training.
- E-8C Mission System Trainer - The current Mission Maintenance Trainer (MMT) is insufficient to meet JSTARS mission crew training. In addition to upgrading the outdated MMT, a second MST device with DMO capability is required to meet initial and continuation training needs.
- SENIOR SCOUT Mission Crew Trainer (SSMCT) – Provides a dedicated Distributed Mission Operations (DMO) compliant simulator for SENIOR SCOUT mission crew Ready Aircrew Program (RAP), Initial Qualification Training (IQT), Mission Qualification Training (MQT), Combat Mission Readiness (CMR), and full force mission rehearsals.
- RC/C-26 Joint Weapons System Trainer (JWST) – High fidelity, DMO capable, immersive flight deck trainer that can be reconfigured to support both ANG and ARNG RC/C-26 initial and continuation training.
- C-130/C-5/C-17/KC-135 (MAF) Visual Threat Recognition and Avoidance Trainer (VTRAT) - Combines state-of-the-art visual, interactive simulations with intelligent tutoring methodologies to train visual scanners.
- ACS ASAC - ANG Air Control Squadron Air Surveillance and Air Control (ASAC) require mission rehearsal training capability at home station to fulfill AFI 13-1MCS Vol. 1 live fly requirements.
- Rangeless ACMI (P-5 CTS) - Provides 200 P-5 Combat Training Systems to replace the current ground tethered systems at the Combat Readiness Training Centers.
- KC-135 Advance Squadron level Simulator (ASLS) – High fidelity aircrew simulator for ANG tanker squadrons.

- Joint Terminal Attack Controller (JTAC) Training and Rehearsal System – High fidelity, DMO capable domed simulator for JTAC mission and qualification training.
- High End Threat Emitters – Procurement of additional Joint Threat Emitters (JTE) and upgrade of existing UnManned Threat Emitters (UMTE).
- Control and Reporting Center (CRC) Training and Simulation Package - DMO Connectivity for ANG ACSs for mission rehearsal training capability at home station within the TACS environment to fulfill AFI 13-1MCS Vol. 1 simulation training requirements.

F-15

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
AESA	0207130F	\$62.00 ²	\$49.90 ²	\$49.90 ²	\$49.90 ²	\$49.90 ²	\$261.60
RWR/EPAWSS	0207130F 0207134F	- \$10.00 ³	\$26.40 ² -	\$42.00 ² -	\$42.00 ² -	\$42.00 ² -	\$162.40
BOL Upgrade	0207130F	\$29.21 ²	-	-	-	-	\$29.21
BLOS Comm	0207130F	\$56.00 ²	-	-	-	-	\$56.00
DVR	0207130F	\$7.00 ²	-	-	-	-	\$7.00

- AESA Radar - Active Electronically Scanned Array (AESA) Radar provides next generation precision capability to detect, track and eliminate asymmetric threats.
- Radar Warning Receiver (RWR)/EPAWSS (Eagle Passive and Active Warning and Survivability System) - Advanced digital RWR for enhanced situational awareness, survivability, and mission effectiveness.
- BOL upgrade - Countermeasure dispenser upgrade to F-15C. Next generation self-protection survivability. Uses previously funded pilot vehicle interface (PVI) upgrade in Suite 6.
- Beyond Line of Sight (BLOS) Secure Communication
- Digital Video Recorder (DVR) - Multi-channel digital recording device for Fighter Data Link, Heads-Up Display, Vertical Situation Display and Multi-Purpose Color Display.

F-16C

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
HMCS Kits	0207133F	\$15.00 ²	\$20.16 ²	-	-	-	\$60.47
JHMCS Night Kits		\$10.00 ³	-	-	-	-	
CFCC/Ethernet		\$7.05 ²	-	-	-	-	
		\$8.26 ²	-	-	-	-	
Center Pedestal Color Display	0207133F	\$15.00 ² \$3.50 ³	\$15.00 ² -	\$8.20 ² -	- -	- -	\$41.70
AESA Radar	0207133F	- \$100.00 ³	\$21.00 ² \$80.00 ³	\$63.00 ² -	\$63.00 ² -	12.60 ² -	\$339.60
ALR-69 Upgrades	0207133F	\$5.00 ²	\$22.00 ²	\$6.11 ²	-	-	\$113.29
ALR-56 Upgrades		\$15.00 ³	-	-	-	-	
		-	\$15.18 ²	-	-	-	
		\$50.00 ³	-	-	-	-	
EA Pod Upgrades	0207133F	\$16.00 ² \$10.00 ³	\$40.00 ² -	\$40.00 ² -	\$20.80 ² -	- -	\$126.80
4 th Gen Upgrades VDL Kits	0207249F	\$32.00 ² \$0.96 ²	\$40.00 ² -	\$8.00 ² -	- -	- -	\$80.96
BLOS Upgrades ARC-210 Radios	0207133F	\$32.00 ² \$20.00 ²	\$14.56 ² \$14.70 ²	-	-	-	\$81.26
-229 Re-Engine for Block 42	0207133F	\$54.40 ²	\$36.80 ²	-	-	-	\$91.20

- Helmet Mounted Cueing System (HMCS) - Provides a quantum leap forward in day/night air and ground weapons employment and full sensor-to-pilot fusion.
- Center Pedestal Color Display - Replaces flight instruments with color display; allows image transfer, improved data processing, and robust input of mission planning information.
- Active Electronically Scanned Array (AESA) Radar - Replaces mechanically scanned radar in Block 42/52s, with AESA for improved detection and targeting of ground and air targets.
- ALR-69/ALR-56M Radar Warning Receiver (RWR) Upgrades - Improves detection, identification, and geolocation of current and emerging threat systems.

- Electronic Attack (EA) Pods - Upgrades pods with digital radio frequency memory (DRFM).
- 4th Generation Advanced Targeting Pod (ATP) Upgrades - Allows warfighter to employ precision-guided munitions, coordinate with ground elements, and target airborne threats.
- Beyond Line-of-Sight (BLOS) / ARC-210 Radios - Provides advanced secure and beyond line-of-site communications for integration with ground forces and homeland defense agencies.
- -229 Re-engine for Block 42 - The F-100-PW-229 engine enables the Block 42 F-16 to perform the full range of combat missions with the same performance as Block 50/52 F-16s.

HH-60G

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Tactical Data Link	0207224	\$2.00 ³ \$2.40 ²	- -	- -	- -	- -	\$4.40
Secure Multi-Spectrum Radio	0207224	\$1.11 ²	-	-	-	-	\$1.11
Defensive Armament	0207224	\$7.20 ⁴	-	-	-	-	\$7.20
Helmet Mounted Display/ Cueing	0207224	\$5.00 ³	\$19.44 ²	-	-	-	\$24.44

- Tactical Data Link - Enhanced Position Location Radio System (EPLRS) with Situational Awareness Data Link (SADL) provides widely fielded information transfer capability in a digitized battlefield environment providing connectivity between Pararescue forces, helicopters, tankers, and fighters making up a Combat Search and Rescue package.
- Secure Multi Spectrum Radio - A secure multi-spectrum radio ensures military and civil command authorities that ANG rescue helicopters will be ready for any and all relief operations. In addition, the radio increases the HH-60G combat search and rescue capability by filling an existing secure radio shortfall.
- Defensive Armament - The Fabrique Nationale Herstal M3M .50 caliber machine gun has a high rate of fire and

- can suppress enemy threats up to 1500 meters. The Dillon Aero M134D minigun is an ultra-reliable, GAU-2B minigun replacement which provides aircraft gross weight savings.
- Helmet Mounted Display/Cueing - Helmet mounted cueing and display capability significantly increases pilot and crew situational awareness, weapons employment capability, enhances terminal area search and rescue operations and reduces overall internal communication during critical mission phases.

E-8C JSTARS

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Re-engine	27581F	\$219.31 ² \$7.08 ³	\$232.06 ² \$0.50 ³	\$236.20 ² \$0.50 ³	\$232.71 ² -	\$16.52 ² -	\$944.88
DMS Avionics Spiral 1	27581F	- \$16.40 ³	- \$10.11 ³	\$23.50 ² \$4.53 ³	\$27.13 ² -	\$20.29 ² -	\$101.96
DMS Prime Mission Equipment	27581F	- \$61.22 ³	\$52.00 ² \$53.26 ³	\$69.18 ² -	\$48.06 ² -	\$36.32 ² -	\$320.04
Radar Replacement	27581F	- \$285.52 ³	- \$433.74 ³	\$172.00 ² \$305.75 ³	\$447.64 ² \$170.46 ³	\$391.78 ² -	\$2206.89
Wideband Connectivity	27581F	- \$9.09 ³	- \$15.37 ³	- \$12.63 ³	\$43.55 ² \$4.16 ³	\$40.27 ² \$0.67 ³	\$125.74

- Re-engine – Replacing the engines significantly reduces sustainment costs, boosts performance, and provides power for expanded mission system requirements.
- DMS: Avionics and Prime Mission Equipment – Provides replacement CDU addressing obsolescence issues and providing growth capabilities to implement new requirements like Mode 5 and SAASM/M-Code GPS. Also addresses Diminishing Manufacturer Support (DMS) issues for the current, obsolete components supporting the Ops & Control (O&C) Subsystem
- Radar Replacement – Mitigate COCOM capability gaps, upgrade Ground Moving Target Indicator (GMTI) and Synthetic Aperture Radar (SAR) imaging capabilities and resolve emerging DMS issues.
- Wideband Connectivity – Wideband Line-of-Sight (LOS) (MP-CDL, TTNT) and Beyond-Line-of-Sight (BLOS) (AEHF/WGS) and networking upgrades

KC-135

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Advanced Infrared Counter Counter Measures (IRCM)	0401134	\$42.12 ²	\$36.12 ²	\$36.12 ²	\$36.12 ²	\$36.12 ²	\$186.60
Tactical Data Link (TDL)	41218F	\$8.17 ²	\$8.17 ²	\$8.17 ²	\$8.17 ²	\$8.17 ²	\$40.85
NVIS Compatible/Covert Lighting	41218F	\$10.00 ²	\$13.75 ²	\$13.75 ²	\$10.00 ²	-	\$47.50
Situational Awareness Cockpit Display Unit (CDU)	41218F	\$6.65 ²	\$6.65 ²	-	-	-	\$13.30

- Advanced Infrared Counter Measures (IRCM) Systems - Provides an integral self-protection system to combat IR threats to large aircraft in a more complex and lethal threat environment.
- Tactical Data Link (TDL) - Provides global, secure command and control Beyond-line-of-sight (BLOS) connectivity with the network centric battlefield allowing tankers more flexibility to carry out effective operations deeper into enemy airspace.
- Night Vision Imaging System (NVIS) Compatible/Covert Lighting - Provides night tanker refueling operations safer and more efficient allowing tanker formation station-keeping when electronic emissions are restricted and greatly enhancing receiver capability to rendezvous, refuel, and quickly return to the fight.
- Situational Awareness Cockpit Display Units (CDUs) - Allows pilots to have increased situational awareness by providing critical real-time information on displays immediately available to them on the instrument panel.

Operational Support Aircraft

Program	PE Number	FY10	FY11	FY12	FY13	FY14	Total
C-38 Replacement Aircraft	0401314F	\$110.00 ²	\$110.00 ²	-	-	-	\$220.00
C-40C Procurement	0401314F	\$95.00 ²	-	-	-	-	\$95.00
C-21 GPS Upgrade	0401314F	\$2.14 ²	-	-	-	-	\$2.14
C-40C Avionics Upgrade	0401314F	\$3.57 ²	-	-	-	-	\$3.57
C-21 Enhanced Mode-S Upgrade	0401314F	\$11.55 ²	-	-	-	-	\$11.55

- C-38A Replacement Program - Replaces existing C-38 aircraft with more capable aircraft to support Congressional and DoD missions worldwide.
- C-40C Procurement - Completes the requirement for the C-40C aircraft in the ANG. This aircraft supports Congressional, DoD, Air Force, and National Guard travel missions worldwide.
- C-21A GPS Upgrades - Replaces obsolete and unsupportable TA-6 GPS units with the more reliable and technologically advanced TA-24 GPS unit.
- C-40C Avionics Upgrade - Adds numerous avionics enhancements which will allow for greater flexibility and mission success.
- C-21A Enhanced Mode-S Upgrade - Provides Air Traffic Control (ATC) with altitude trend data as well as true altitude information. Mandatory equipment for operations in RVSM as early as FY12.

Pararescue / Special Tactics

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
PJ/ST Improved Situational Awareness Suite	53114F	\$6.26 ⁴	-	-	-	-	\$6.26
PJ/ST Tactical Vehicle	53114F	\$3.00 ⁴	-	-	-	-	\$3.00
PJ/ST Oxygen System Suite	53114F	\$1.84 ⁴	-	-	-	-	\$1.84
STS Enhanced Survivability Suite (Dismounted)	53114F	\$2.216 ⁴	-	-	-	-	\$2.216
STS Enhanced Survivability Suite (Mounted)	53114F	\$2.792 ⁴	-	-	-	-	\$2.792

- PJ/ST Improved Situational Awareness Suite - Since PJ/ST operations often occur in austere and isolated environments, it is essential for them to have connectivity to multiple data links, communication nodes and other SA increasing entities.
- PJ/ST Tactical Vehicle - Pararescue (PJ) and Special Tactics (ST) personnel have a ground tactical vehicle requirement. Currently the Guardian Angel (GA) and ST community are developing specific armored vehicles that will support their operational requirements and fielding for the ANG is not projected until 2012.
- PJ/ST Oxygen System Suite - Portable oxygen system technologies have progressed for both PJs and survivors to the point where high altitude effectiveness has substantially increased by using low cost, highly portable commercial off-the-shelf products enabling PJ/ST forces to operate above 10,000ft and also allowing lifesaving medical oxygen to be carried on dismounted missions.

- STS Enhanced Survivability Suite (Dismounted) - CCTs need the lightest and simple to operate gear to move about the battlefield, engage the enemy, gain situational awareness quickly and bring airpower to bear on the enemy while avoiding fratricide.
- STS Enhanced Survivability Suite (Dismounted) - CCTs performing airfield operations need specially modified vehicles for surveillance, reconnaissance, assessment and seizure of airfields.

Air Force Distributed Common Ground System (AF DCGS - AN/GSQ-272 SENTINEL)

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Unclassified PED Within DCGS	0503117F	\$5.65 ⁴	\$11.30 ⁴	\$11.30 ⁴	\$5.65 ⁴	\$3.50 ⁴	\$37.40
Voice Communications Between DCGS, POC, and Theater Units	0503117F	\$9.30 ⁴	\$4.65 ⁴	-	\$2.30 ⁴	\$1.10 ⁴	\$17.45
DCGS Wideband Link to Warfighter	0503117F	\$13.43 ⁴	\$10.64 ⁴	-	-	-	\$24.07

- Unclassified Processing, Exploitation, and Dissemination (PED) Capability within DCGS - Provides a releasable network for ANG DCGS units operating in support of national, state, and local authorities for disaster response and homeland security operations; incorporates National Guard Bureau (NGB) GUARDNET at ANG DCGS sites for Department of Homeland Security (DHS) and Defense Support to Civil Authorities (DSCA) operations.
- Voice Communications between DCGS, PREDATOR Operations Center (POC), and Theater Units - Allows ANG unit personnel to fully participate in distributed operations on a daily basis, providing augmentation for the current high operations tempo in the AF DCGS enterprise.
- DCGS Wideband Link to Warfighter - Ensures Total Force continuity of imagery and signals intelligence operations in the event the primary DCGS communications management and distribution node ceases to function.

Security Forces

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Personal Protective Equipment	0502625	\$17.57 ¹	-	-	-	-	\$17.57
M4 Rifle Upgrades	0207580	\$17.20 ¹ \$8.37 ⁵	- -	- -	- -	- -	\$25.57
M2/M240/M249 Weapons and Upgrades	0207580	\$15.94 ⁴ \$1.56 ⁵	- -	- -	- -	- -	\$17.50
Force Protection Mobility Bag Upgrades / Replacements	0502625	\$113.72 ¹	-	-	-	-	\$113.72

- Personal Protective Equipment (PPE) – modular body armor designed to give the warfighter mobility, protection, and capability.
- M4 Rifle Upgrades – SF and all ground personnel perform outside-the-wire patrols and convoys. This is the required weapon for today's missions.
- M2 / M240 / M249 Weapons and Upgrades – Mission success depends on the ability to fire and maneuver. These modern weapons and accessories deliver the needed capability.
- Force Protection Mobility Bag Upgrades / Replacements – high deployment and operational tempos for SF has caused significant wear and tear on mobility bags and equipment must be replaced on a regular basis.

CYBER WARFARE / IO

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
Commando Solo CIED RF Mapping	053056F	\$1.00 ²	-	-	-	-	\$1.00
NW Digital Target Range	053056F	\$6.40 ¹	-	\$2.10 ¹	-	\$2.10 ¹	\$10.60
Control System Simulator	053056F	\$0.96 ²	-	\$0.32 ¹	-	\$0.32 ¹	\$1.60

- Commando Solo Counter Improvised Explosive Device (IED) RF Mapping - This system is a laptop-based mapping program and associated range testing to accurately depict EC-130J RF pattern against the earth when conducting EW and PSYOP operations.
- Network Warfare (NW) Digital Target Range / Control System Simulator - This is a system of COTS hardware and software to enable NW units to operate remotely, test tools and tactics prior to employment and train NW operators. Required in order to support network defense of AF and DoD networks. Develops, in partnership with the NSA and National Labs, a system that simulates a critical network control system for the purposes of supporting network defense of critical cyber infrastructure and train in the employment of network attack against similar systems.

MQ-1 / MQ-9 Unmanned Aerial Systems (UAS)

Program	P.E. Number	FY10	FY11	FY12	FY13	FY14	Total
POC/ROC SATCOM	0503218F/ 0503219F	\$4.50 ²	-	-	-	-	\$4.50
Situational Awareness Data Link (SADL)	0503218F/ 0503219F	\$0.72 ⁴	-	-	-	-	\$0.72
MQ-1/MQ-9 Advanced Cockpit	0503218F/ 0503219F	\$6.90 ² \$36.44 ³	\$6.90 ² -	\$6.90 ² -	\$6.90 ² -	- -	\$64.04
Dedicated and Protected Network Architecture	0503218F/ 0503219F	\$7.20 ¹ \$18.00 ⁴	- -	- -	- -	- -	\$25.20

- MQ-1/MQ-9 PREDATOR/REAPER Operation Center (POC/ROC) SATCOM – Incorporates satellite communications capabilities into the POC/ROC to allow the mission crew to communicate directly with supported personnel on the ground without relying on the aircraft radio.
- MQ-1/MQ-9 PREDATOR/REAPER Operation Center (POC/ROC) Situational Awareness Data Link (SADL) - Adding the SADL application to workstations in the POC/ROC will increase situational awareness, improve ISR collection quality, and provide additional in-flight safety for all air vehicles in the area of operations.

- MQ-1/MQ-9 Advanced Cockpit - Replaces the MQ-1 and MQ-9 Ground Control Stations (GCS) with an updated and modernized cockpit engineered for human factors and providing an operator-centric focus, thereby enhancing situational awareness and providing intuitive controls. The situational awareness is enhanced for the pilot and sensor operator by building a "synthetic world" around the standard 14.5 degrees multi-spectral targeting system from the ball's field of view. So instead of the current "soda straw" effect, we'd have a 120 degree "synthetic world" wrapped around the pilot station and a 270 degree "world" wrapped around the sensor operator position. The "synthetic world" is built on overhead imagery laid over digital terrain elevation data integrated to move seamlessly with the sensor view.
- MQ-1/MQ-9 Dedicated and Protected Network Architecture - A dedicated and protected domain and modification of existing operations centers to become a MAC-1 (mission assurance category - one) level system would ensure uninterrupted MQ-1/MQ-9 operations and dissemination of ISR data.

Summary of DoD Appropriations for the ANG

Source: Highlights of FY09 Defense Appropriations Bill

Program	FY09 (millions)
Scorpion Helmet for A-10	\$4.0
Joint Cargo Aircraft (C-27)	\$16.7
KC-135R Winglets	\$3.2
MC-130P Modifications	\$3.2
SCATHE VIEW	\$0.4
NP 2000 propellers for LC-130	\$2.0
RC-26 Modernization	\$7.2
F-16C Fire Control Computers	\$1.4
SENIOR SCOUT BLOS SATCOM	\$7.0
F-16 Thunder Pod	\$3.2
F-15 AESA	\$12.0
F-16/A-10 Litening Pod Upgrades	\$16.0
LAIRCM for MC-130	\$4.4
MP-RTIP on JSTARS	\$20.0

Chapter 5:

US Congress

ANG Units by State or Territory, Congressional Member, and District

Source: www.senate.gov , www.house.gov

Unit	Member	Party	District
ALABAMA			
SENATOR RICHARD C. SHELBY (R)			
SENATOR JEFF SESSIONS (R)			
225 CBCS	Robert Aderholt	R	4
117 ARW	Spencer Bachus	R	6
187 FW	Artur Davis	D	7
226 CCG			
280 CBCS			
232 CBCS			
ALASKA			
SENATOR MARK BEGICH (D)			
SENATOR LISA MURKOWSKI (R)			
11 RCC	Don Young	R	At Large
168 ARW			
176 WG			
206 CBCS			
210 RQS			
144 AS			
ARIZONA			
SENATOR JOHN MCCAIN (R)			
SENATOR JON KYL (R)			
107 ACS	Ann Kirkpatrick	D	1
104 ACS			
161 ARW	Ed Pastor	D	4
197 ARS			

Unit	Member	Party	District
ARIZONA			
162 FW	Gabrielle Giffords	D	8
195 FS			
148 FS			
152 FS			
AATC			
ARKANSAS			
SENATOR BLANCHE LAMBERT LINCOLN (D)			
SENATOR MARK PRYOR (D)			
123 IS	Vic Snyder	D	2
154 TRS			
189 AW			
188 FW	John Boozman	R	3
223 CBCS	Mike Ross	D	4
CALIFORNIA			
SENATOR DIANNE FEINSTEIN (D)			
SENATOR BARBARA BOXER (D)			
149 CBCS	Daniel E. Lungren	R	3
162 CCG			
SM-ALC			
129 RQW	Nancy Pelosi	D	8
216 EIS	Pete Stark	D	13
234 CBCS			
561 BAND			
144 FW	George Radanovich	R	19
195 WF	Elton Gallegly	R	24
146 AW			
562BAND			
261 CBCS	Brad Sherman	D	27
119 FS, DET 1	Ken Calvert	R	44
163 ARW			
148 SOPS			
210 WF			
222 CBCS	Dana Rohrabacher	R	46
147 CBCS	Susan A. Davis	D	53

Unit	Member	Party	District
COLORADO			
SENATOR MICHAEL BENNET (D)			
SENATOR MARK UDALL (D)			
120 WF	Diana DeGette	D	1
140 WG			
240 CEF			
137 SWS	Jared Polis	D	2
	John T. Salazar	D	3
140 WG, DET 1	Doug Lamborn	R	5
200 AS			
CONNECTICUT			
SENATOR CHRISTOPHER J. DODD (D)			
SENATOR JOSEPH I. LEIBERMAN (I)			
103 FW	Joe Courtney	D	2
103 ACS	Rosa DeLauro	D	3
DELAWARE			
SENATOR TED KAUFMAN (D)			
SENATOR THOMAS CARPER (D)			
166 AW	Michael N. Castle	R	At Large
DISTRICT OF COLUMBIA			
DELEGATE ELEANOR HOLMES NORTON (D)			
113 WG	Eleanor Holmes Norton	D	--
121 WF			
201 AS			
231 CBCS			
HQ ANG			
121 FS			
FLORIDA			
SENATOR BILL NELSON (D)			
SENATOR MEL MARTINEZ (R)			
1 AF	Allen Boyd	D	2
701 ADS			
702 CSS			
SEADS			
159 WF	Cliff Stearns	R	6
202 RHS			
290 JCSS	Kathy Castor	D	11
114 CCS	Bill Posey	R	15
125 FS, DET 1	Kendrick Meek	D	17
125 FW			

Unit	Member	Party	District
GEORGIA			
SENATOR JOHNNY ISAKSON (R)			
SENATOR SAXBY CHAMBLISS (R)			
202 EIS	Jack Kingston	R	1
117 ACS			
224 JCSS			
116 ACW	Jim Marshall	D	8
530 BAND	Phil Gingrey	R	11
283 CBCS			
CRTC	John Barrow	D	12
165 AW			
GUAM			
DELEGATE MADELEINE Z. BORDALLO (D)			
254 ABG	Madeleine Z. Bordallo	D	--
254 CES			
HAWAII			
SENATOR DANIEL K. INOUE (D)			
SENATOR DANIEL K. AKAKA (D)			
154 WG	Neil Abercrombie	D	1
201 CCG			
293 CBCS			
291 CBCS	Mazie K. Hirono	D	2
292 CBCS			
297 ATCS			
150 ACWS			
154 ACS			
169 ACWS			
199 WF			
IDAHO			
SENATOR JIM RISCH (R)			
SENATOR MICHAEL D. CRAPO (R)			
124 WG	Mike Simpson	R	2
190 FS			
124 ASOS			
189 AS			
266 RANS			

Unit	Member	Party	District
ILLINOIS			
SENATOR RICHARD J. DURBIN (D)			
SENATOR ROLAND BURRIS (D)			
566 BAND	Peter Roskam	R	6
126 ARW	Jerry Costello	D	12
169 ASOS	Aaron Schock	R	18
182 ASOC			
182 AW			
183 FW			
217 EIS			
264 CBCS			
INDIANA			
SENATOR RICHARD G. LUGAR (R)			
SENATOR EVAN BAYH (D)			
122 FW	Mark Souder	R	3
207 WF	Mike Pence	R	6
DET 1, HQ INANG			
113 FS	Andre Carson	D	7
181 FW			
DET 2, HQ INANG	Baron Hill	D	9
IOWA			
SENATOR CHARLES E. GRASSLEY (R)			
SENATOR TOM HARKIN (D)			
132 FW	Tom Latham	R	4
133 ACS			
185 FW	Steve King	R	5
KANSAS			
SENATOR SAM BROWNBACK (R)			
SENATOR PAT ROBERTS (R)			
127 WF	Lynn Jenkins	D	2
190 ARW			
134 ACS	Todd Tiahrt	R	4
184 ARW			
KENTUCKY			
SENATOR JIM BUNNING (R)			
SENATOR MITCH MCCONNELL (R)			
123 AW	John Yarmuth	D	3
205 CBCS			
123 STF			
165 WF			

Unit	Member	Party	District
LOUISIANA			
SEANTOR DAVID VITTER (R)			
SENATOR MARY L. LANDRIEU (D)			
122 WF	Steve Scalise	R	1
236 CBCS			
214 EIS	Anh Cao	R	2
159 FW	Charlie Melancon	D	3
122 ASOS	Rodney Alexander	D	5
259 ATCS			
MAINE			
SENATOR OLYMPIA J. SNOWE (R)			
SENATOR SUSAN M. COLLINS (R)			
243 EIS	Chellie Pingree	D	1
265 CBCS			
101 ARW	Michael Michaud	D	2
MARYLAND			
SENATOR BENJAMIN L. CARDIN (D)			
SENATOR BARBARA A. MIKULSKI (D)			
104 FS	Dutch Ruppersberger	D	2
135 AS			
175 WG			
104 WF	John Sarbanes	D	3
MASSACHUSETTS			
SENATOR EDWARD M. KENNEDY (D)			
SENATOR JOHN F. KERRY (D)			
104 FW	John Olver	D	1
131 WF			
567 BAND	Richard E. Neal	D	2
212 EIS	James McGovern	D	3
102 FW	William Delahunt	D	10
202 WF			
253 CCG			
267 CCS			
MICHIGAN			
SENATOR DEBBIE A. STABENOW (D)			
SENATOR CARL LEVIN (D)			
CRTC	Bart Stupak	D	1
110 FW	Mark Schaver	D	7

Unit	Member	Party	District
MICHIGAN			
107 WF	Candice Miller	R	10
127 WG			
235 ATAS			
MINNESOTA			
SENATOR AMY KLOBUCHAR (D)			
VACANT			
133 AW	Keith Ellison	D	5
208 WF			
210 EIS			
148 FW	James Oberstar	D	8
MISSISSIPPI			
SENATOR THAD COCHRAN (R)			
SENATOR ROGER WICKER (R)			
172 AW	Gregg Taylor	R	3
186 ARW			
238 ASOS			
209 CES	Gene Taylor	D	4
255 ACS			
CRTC			
MISSOURI			
SENATOR CHRISTOPHER “KIT” BOND (R)			
SENATOR CLAIRE MCCASKILL (D)			
110 WF	Todd Akin	R	2
131 FW			
231 CEF			
239 CBCS			
571 BAND			
121 ACS	Russ Carnahan	D	3
157 ACG			
218 EIS			
139 AW	Samuel B. Graves	D	6
241 ATCS			
MONTANA			
SENATOR MAX BAUCUS (D)			
SENATOR JON TESTER (D)			
120 FW	Dennis Rehberg	R	At Large
219 RHF			

Unit	Member	Party	District
NEBRASKA			
SENATOR BEN NELSON (D)			
SENATOR MIKE JOHANNIS (R)			
155 ARW	Jeff Fortenberry	R	1
NEVADA			
SENATOR JOHN ENSIGN (R)			
SENATOR HARRY REID (D)			
152 AW	Dean Heller	R	2
152 IS			
NEW HAMPSHIRE			
SENATOR JEANNE SHAHEEN (D)			
SENATOR JUDD GREGG (R)			
157 ARW	Carol Shea-Porter	D	1
260 ATAS			
NEW JERSEY			
SENATOR ROBERT MENENDEZ (D)			
SENATOR FRANK LAUTENBERG (D)			
177 FW	Frank LoBiondo	R	2
108 ARW	Christopher Smith	R	4
NEW MEXICO			
SENATOR TOM UDALL (D)			
SENATOR JEFF BINGAMAN (D)			
150 FW	Martin Heinrich	D	1
147 FS, DET 1	Harry Teague	D	2
NEW YORK			
SENATOR CHARLES E. SCHUMER (D)			
SENATOR KIRSTEN GILLIBRAND (D)			
106 RQW	Timothy Bishop	D	1
213 EIS	Gary L. Ackerman	D	5
274 ASOS			
109 AW	Paul Tonko	D	21
105 AW	Maurice D. Hinchey	D	22
NEADS	Michael Arcuri	D	24
152 ACG	Dan Maffei	R	25
174 FW			
107 ARW	Thomas M. Reynolds	R	26

Unit	Member	Party	District
NORTH CAROLINA			
SENATOR KAY HAGAN (D)			
SENATOR RICHARD BURR (R)			
118 ASOS	Larry Kissell	D	8
263 CBCS			
145 AW	Melvin L. Watt	D	12
156 WF			
NORTH DAKOTA			
SENATOR KENT CONRAD (D)			
SENATOR BYRON L. DORGAN (D)			
119 FW	Earl Pomeroy	D	At Large
OHIO			
SENATOR GEORGE V. VOINOVICH (R)			
SENATOR SHERROD BROWN (D)			
164 WF	Steve Driehaus	D	1
123 ACS	Jean Schmidt	R	2
179 AW	Jim Jordan	R	4
200 RHS	Robert Latta	R	5
178 FW	Steve Austria	R	7
269 CBCS			
251 CCG			
180 FW	Marcy Kaptur	D	9
555 BAND			
121 ARW	Mary Jo Kilroy	D	15
220 EIS	Zach Space	D	18
OKLAHOMA			
SENATOR THOMAS COBURN (R)			
SENATOR JAMES M. INHOFE (R)			
125 WF	John Sullivan	R	1
138 FW			
219 EIS			
137 AW	Mary Fallin	R	5
OREGON			
SENATOR RON WYDEN (D)			
SENATOR JEFF MERKLEY (D)			
116 ACS OLAA	Grey Walden	R	2
173 FW			
270 ATCS			

Unit	Member	Party	District
OREGON			
116 ACS	Earl Blumenauer	D	3
123 WF			
142 FW			
244 CBCS			
272 CBCS			
PENNSYLVANIA			
SENATOR ARLEN SPECTER (R)			
SENATOR ROBERT P. CASEY (D)			
112 ACS	Glenn Thompson	R	5
193 SOW, DET 1	Christopher Carney	D	10
201 RHF			
203 WF			
211 EIS			
258 ATCS	John P. Murtha	D	12
111 FW	Allyson Y. Schwartz	D	13
140 WF			
270 EIS			
193 SOW	Tim Holden	D	17
271 CBCS			
553 BAND			
146 WF	Tim Murphy	R	18
171 ARW			
PUERTO RICO			
RESIDENT LUIS G. FORTUNO (R)			
140 ADS	Luis G. Fortuno	R	--
141 ACS			
156 AW			
RHODE ISLAND			
SENATOR JACK REED (D)			
SENATOR SHELDON WHITEHOUSE (D)			
143 AW	James R. Langevin	D	2
281 CCG			
282 CBCS			
SOUTH CAROLINA			
SENATOR LINDSEY GRAHAM (R)			
SENATOR JAMES DEMINT (R)			
158 FS, DET 1	Henry E. Brown Jr.	R	1

Unit	Member	Party	District
SOUTH CAROLINA			
169 FW	James E. Clyburn	D	6
240 CBCS			
245 ATCS			
SOUTH DAKOTA			
SENATOR JOHN THUNE (R)			
SENATOR TIM JOHNSON (D)			
114 FW	Stephanie Herseth	D	At Large
TENNESSEE			
SENATOR LAMAR ALEXANDER (R)			
SENATOR BOB CORKER (R)			
119 ACS	John J. Duncan Jr.	R	2
134 ARW			
ANG TEC			
228 CBCS			
572 BAND			
241 EIS	Zach Wamp	R	3
105 WF	Jim Cooper	D	5
118 AW			
164 AW	Marsha Blackburn	R	7
TEXAS			
SENATOR JOHN CORNYN (R)			
SENATOR KAY BAILEY HUTCHINSON (R)			
221 CBCS	Sam Johnson	R	3
254 CCG			
273 EIS	Al Green	D	9
209 WF	Michael T. McCaul	R	10
136 AW	Kay Granger	R	12
181 WF			
531 BAND			
149 FW	Charles A. Gonzalez	D	20
204 SPS	Ciro D. Rodriguez	D	23
111WF	Lloyd Doggett	D	25
147 FW			
272 EIS			
UTAH			
SENATOR ORRIN G. HATCH (R)			
SENATOR ROBERT F. BENNET (R)			
299 RCS	Rob Bishop	R	1

Unit	Member	Party	District
UTAH			
109 ACS	Jason Chaffetz	R	3
130 EIS			
151 ARW			
169 IS			
VERMONT			
SENATOR PATRICK J. LEAHY (D)			
SENATOR BERNARD SANDERS (I)			
158 FW	Peter Welch	D	1
VIRGIN ISLANDS			
DELEGATE DONNA CHRISTIAN-CHRISTENSEN (D)			
285 CBCS	Donna Christian-Christensen	D	--
VIRGINIA			
SENATOR MARK WARNER (D)			
SENATOR JAMES WEB (D)			
200 WF	Glenn Nye	D	2
203 RHF			
192 FW	Robert C. Scott	D	3
NGB	James B. Moran	D	8
WASHINGTON			
SENATOR MARIA CANTWELL (D)			
SENATOR PATTY MURRAY (D)			
215 EIS	Jay Inslee	D	1
262 CBCS	Richard Ray Larsen	D	2
242 CBCS	Cathy McMorris	R	5
560 BAND			
141 ARW			
143 CBCS	Jim McDermott	D	7
111 ASOC	Adam Smith	D	9
116 ASOS			
254 RHF			
241 CES			
252 CCG			
256 CBCS			
WADS			

Unit	Member	Party	District
WEST VIRGINIA			
SENATOR ROBERT C. BYRD (D)			
SENATOR JOHN D. "JAY" ROCKEFELLER IV (D)			
130 AW	Shelley Moore Capito	R	2
167 AW			
WISCONSIN			
SENATOR HERB KOHL (D)			
SENATOR RUSSELL D. FEINGOLD (D)			
115 FW	Tammy Baldwin	D	2
126 WF	Gwen Moore	D	4
128 ARW			
CRTC	Thomas E. Petri	R	6
128 ACS			
WYOMING			
SENATOR MICHAEL B. ENZI (R)			
SENATOR JOHN BARRASSO (R)			
153 AW	Cynthia Lummis	R	At Large
242 ATAS			
153 CACS			

Chapter 6:

Contacts

Source: NGB/CFX

Title	Phone Number	Office
Office of the Director, Air National Guard (NGB/CF)		
Director, ANG	703-614-8033 703-614-7891	4E 128 Pentagon
Deputy Director, ANG	703-607-2377	12202
Executive Officer to the Director	703-614-8033 703-614-7891	4E128 Pentagon
Executive Officer to the Deputy Director	703-607-2388	12210
Executive Assistant to the Director	703-614-8033 703-614-7891	4E128 Pentagon
Executive Assistant to the Deputy Director	703-607-2409	12205
	703-607-2408	
Fax, Director, ANG Pentagon	703-692-9056	--
Fax, NGB/CF	703-607-3678	--
Office of the Command Chief Master Sergeant (NGB/CFC)		
Command Chief Master Sergeant	703-607-2385	12207
Executive Assistant to the CCM	703-607-2414	12217
Special Assistant to the CCM	703-607-2412	12222
ANG First Sergeant Functional Manager	301-836-8435	AAFB
Executive Support ANGRC/CCPC)		
Conference Coordinator	703-607-3109	12215
Conference Support	703-607-3050	12224
Protocol (ANGRC/CCPP)		
Protocol NCOIC Events & Ceremonies	703-607-2381	2503
Protocol Logistics NCOIC	703-607-1807	2504
Protocol Superintendent	703-607-5434	2502

Title	Phone Number	Office
Cultural Leadership and Transformation Division (NGB/CFD)		
Chief	703-607-2890	12506
Director's Action Group (NGB/CFX)		
Chief	703-607-3492	12521
Executive Services	703-607-1824	12522
Directorate of Financial Management and Comptroller (NGB/FM)		
Director & Comptroller	703 607-0903	8501
Deputy	703 607-0908	8508
Chief, Financial Analysis Division (FMA)	703-607-2799	8502
Chief, Financial Services Division (FMF)	703-607-0847	8509
Office of Safety (NGB/SE)		
Director, NGB Safety (SE)	301-836-8435	AAFB
Information Manager (SEA)	301-836-8474	AAFB
Chief, Flight Safety (SEF)	301-836-8690	AAFB
Flight Safety Officer (SEFC)	301-836-8540	
FSNCO, Special Ops, Rescue (SEFE)	301-836-8670	AAFB
Chief, Ground Safety (SEG)	301-836-8101	AAFB
Superintendent, Ground Safety (SEGO)	301-836-8109	AAFB
Ground Safety NCO (SEGD)	301-836-8158	AAFB
Chief, Weapons Safety (SEW)	301-836-7627	AAFB
The Air Surgeon (NGB/SG)		
The Air Surgeon	301-836-8436	AAFB
Deputy Air Surgeon	301-836-8562	AAFB
Executive Assistant	301-836-8546	AAFB
Chief Communication/Information	301-836-8558	AAFB
Division Chief, Medical Support (SGA)	301-836-8564	AAFB
Division Chief, Medical Plans & Programs (SGX)	301-836-8563	AAFB
Division Chief, SGP	301-836-8551	AAFB

Air Directorate Command Section (ANGRC/CC)		
Commander	301-836-8001 /02 /03	AAFB
Vice Commander	301-836-8001 /02 /03	AAFB
Supt ANGRC Command Section	301-836-8544	AAFB
First Sergeants	301-836-7058 703-607-1023	AAFB/JP1
Special Assistant to the Commander/ADCON	301-836-8634	AAFB
Secretary to the Commander &	301-836-8001/02/03	AAFB
Command Section Info Mgr		AAFB
NCOIC ANGRC Safety/Supply Rep	301-836-7084	AAFB
ANGRC Protocol Liaison	301-836-8313	AAFB
Security Superintendent/Assistant	301-836-8604 301-836-7615	AAFB
ANGRC Facilities Branch	301-836-8860/7848/7850	AAFB
Superintendent of Multimedia, Audiovisual & Graphics	301-836-8918/8919/8922	AAFB
Chief, Communications DIV	301-836-8880	AAFB
Telecomm, Communications Branch Chief	301-836-7974	AAFB
Networks, Communications Branch	301-836-7119	AAFB
Info Management/Mail Room Branch	301-836-8319/8317	AAFB
Office of Organizational Management (NGB/OM)		
Chief	301-836-8884	AAFB
Deputy Chief	301-836-8884	AAFB
Chief, Military Human Resources (OMH)	301-836-8645	AAFB
Chief, Manpower (OMM)	301-836-8640	AAFB

Title	Phone Number	Office
Manpower and Personnel Services (NGB /A1)		
Director, Manpower & Personnel & Services	703-607-5780	10702
Chief, A1 Executive Services	703-607- 1738	1070 4
NCOIC, A1 Executive Services	703-607- 5780	10627
Chief, Recruiting and Retention (A1R)	703-607-3203	10401
Chief, Force Management Policy (A1P)	703-607-5944	10801
Chief, Airmen Development (A1F)	703-607-3916	10601
Chief, Manpower, Organization and Resources (A1M)	703-607-5783	4101
Chief, Services (A1S)	301-836-816 2	AAFB
Chief, Plans and Integration (A1X)	703-607-5076	10402
Chief, Personnel Data Systems (A1Q)	210-565-2545	RAFB, TX
ISR, Space and Cyber (NGB/A2)		
Director, Intelligence	703-607-2891	4409
Superintendent	703-607-5271	4404
Information Management	703-607-0582	4410
Airborne ISR Division	703-607-8655	4416
Force Management & Readiness	703-607-3045	4414
Plans & Resources Division	703-607-3053	4408
Operations (NGB/A3)		
Director	703-607-3328	5601
Executive Officer	703-607-1818	5602
Deputy	703-607-5855	5507
Deputy	301-836-7122	AAFB
Superintendent, Executive Services (NGB/A3E)	703-607-3586	5602
Chief, Airspace and Ranges (NGB/A3A)	703-607-2114	5204
Chief, Cyberspace Warfare (NGB/A3C)	703-607-0680	4200
Chief, Personnel Recovery/Special Missions (NGB/A3J)	703-607-2827	5318
Chief, Current Operations (NGB/A3O)	703-607-2873	5513
Chief, Training (NGB/A3T)	703-607-2769	5546

Operations (NGB/A3)		
Chief, Expeditionary Plans & Operations Exercises (NGB/A3X)	301-836-7100	AAFB
Chief, Command and Control (NGB/A3Y)	703-607-05413	5205
Chief, Action Group (Ready Team) (NGB/A3Z)	703-607-0051	9403
Logistics (NGB/A4)		
Director	301-836-8470	AAFB
Deputy Director	301-836-8483	AAFB
Chief, Aircraft Maintenance Division (A4M)	301-836-8499	AAFB
Chief, Analysis and Evaluations (A4Q)	301-836-7826	AAFB
Chief, Logistics Readiness Division (A4R)	301-836-8442	AAFB
Chief, Resource Integration Division (A4P)	301-836-8573	AAFB
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Chief, Executive Services (NGB/A3E)	703-607-3253	5507
Operational Requirements (A5R)	703-607-2914	5521
Combat Forces Requirements (A5RC)	703-607-3512	5519
Integration Forces Requirements (A5I)	703-607-2947	5520
Mobility Forces Requirements (A5RM)	301-836-8589	AAFB
Communications (NGB/A6)		
Director, CIO	301-836-8602	AAFB
Deputy Director	301-836-8602 DSN 278-8602	6609
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Associate CIO, Chief Technology Officer	301-836-8613	AAFB
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Chief, Programming Division (A7CP)	301-836-8183	AAFB
Chief, Readiness Division (A7CX)	301-836-8036	AAFB

Chief, Security Forces (A7S)	301-836-7803	AAFB
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Adjutants General Association of the United States

Source: AGAUS website: <http://www.agaus.org/>

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The National Guard Association of the United States

Source: NGAUS Website, <http://www.ngaus.org/>

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MG Robert T. Bray	RI	401-275-4102	247-4102
MG (Ret.) Stanhope S. Spears	SC	803-806-4217	583-4217
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Maj Gen Albert H. Wilkening	WI	608-242-3001	724-3001
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Chapter 7:

Terms & Acronyms

Source: NGB/CFX

Acronym	Term
AAA	Anti-Aircraft Artillery
AATC	Air National Guard/Air Force Reserve Component Test Center
ACC	Air Combat Command
ACS	Agile Combat Support
AD	Active Duty
ADFAC	Air Director's Field Advisory Council
AEF	Air and Space Expeditionary Force
AFA	Air Force Association
AFCHQ	Air Force Component Headquarters
AFI	Air Force Instruction
AFPD	Air Force Policy Document
AFRC	Air Force Reserve Command
AFSC	Air Force Specialty Code
AFSLMO	Air Force Senior Leader Management Office
AFSO	Air Force Smart Operations
AGAUS	Adjutants General Association of the United States
AGE	Aerospace Ground Equipment
AGR	Active Guard Reserve
Air AG	Air Adjutant General
ALCT	Airlift Control Team
AMC	Air Mobility Command
AMD	Air Mobility Division
AMOG	Air Mobility Operations Group
AMS	Academy of Military Science
AMU	Aircraft Maintenance Unit
ANG	Air National Guard
AO	Action Officer
AoA	Analysis of Alternatives
AOC	Air and Space Operations Center
AOR	Area of Responsibility
ARC	Air Reserve Component

Acronym	Term
ARM	Aviation Resource Management
ART	Air Reserve Technician
ATCS	Air Traffic Control Squadron
ATO	Air Tasking Order
BAI	Backup Aircraft Inventory
BBP	Bullet Background Paper
BEAR	Base Expeditionary Airfield Resources
BFT	Blue Force Tracking
BG-N	Beyond Goldwater-Nichols
BLOS	Beyond Line of Sight
BOS	Base of Support
BRAC	Base Realignment and Closure
C2	Command and Control
C4ISR	Command, Control, Communications, Computers & Intelligence, Surveillance, Reconnaissance
CAOC	Combined Air and Space Operations Center
CAS	Close-Air-Support
CBA	Capabilities Based Analysis
CBCS	Combat Communications Squadron
CBO	Congressional Budget Office
CBRNE	Chemical, Biological, Radiological, Nuclear, or High Yield Explosive
CEMS	Comprehensive Engine Management System
CENTCOM	Central Command
CERFP	CBRNE Enhanced Response Force Package
CFACC	Combined Forces Air Component Commander
CIRF	Centralized Intermediate Repair Facility
CJCS	Chairman, Joint Chiefs of Staff
CMDB	Consolidated Manpower Database
CMS	Component Maintenance Squadron
COCOM	Combatant Commander
COMAFFOR	Commander Air Force Forces
CONOPS	Concept of Operations
CONUS	Continental United States
COOP	Continuity of operations
CRAF	Civil Reserve Air Fleet
CRG	Contingency Response Group
CRRA	Capability Review and Risk Assessment

Acronym	Term
CSAF	Chief of Staff Air Force
CSAR	Combat Search and Rescue
CWO	Combat Wing Organization
DAB	Defense Acquisition Board
DHS	Department of Homeland Security
DIRLAUTH	Direct Liaison Authorized
DIRMOBFOR	Director of Mobility Forces
DOC	Designed Operating Capability
DoD	Department of Defense
DRU	Direct Reporting Unit
DSB	Defense Science Board
EANGUS	Enlisted Association of the National Guard of the United States
ECS	Expeditionary Combat Support
ECSW	Expeditionary Combat Support Wing
EFAC	Enlisted Field Advisory Council
EIS	Engineering Installation Squadron
EMAC	Emergency Management Assistance Compact
EMEDS	Expeditionary Medical Support
EMS	Equipment Maintenance Support
ESGR	Employer Support to Guard and Reserve
ESSO	Executive Staff Support Officer
FAM	Functional Area Manager
FEMA	Federal Emergency Management Agency
FOL	Forward Operating Location
FSL	Forward Support Location
FTF	Future Total Force
FTU	Flying Training Unit
FY	Fiscal Year
FYDP	Future Years Defense Program
GAO	Government Accountability Office
GCS	Ground Control Station
GOMO	General Officer Management Office
GOSC	General Officers' Steering Committee
GSU	Geographically Separated Unit
HAF	Headquarters Air Force
HASC	House Armed Services Committee
HLD	Homeland Defense
HLS	Homeland Security
HMMWV	High Mobility Multipurpose Wheeled Vehicle (Humvee)

Acronym	Term
IAW	In Accordance With
ILM	Intermediate Level Maintenance
IMA	Individual Manpower Augmentee
IOC	Initial Operational Capability
IPL	Integrated Priority List
IPP	Integrated Planning Process
IPT	Integrated Process Team
IRR	Individual Ready Reserve
ISR	Intelligence, Surveillance, and Reconnaissance
JAOC	Joint Air and Space Operations Center
JDAM	Joint Direct Attack Munition
JEIM	Jet Engine Intermediate Maintenance
JFACC	Joint Forces Air Component Commander
JFHQ-State	Joint Force Headquarters – State
JOA	Joint Operations Area
JOC	Joint Operations Center
JSTARS	Joint Surveillance Target Attack Radar System
JTAME	Joint Tactical Air Mobility Element
JTF	Joint Task Force
KPP	Key Performance Parameters
LANTIRN	Low Altitude Navigation and Targeting Infrared for Night
LGB	Laser Guided Bomb
LL	Legislative Liaison
LOS	Line of Sight
LRE	Launch and Recovery Element
LRU	Line Replaceable Unit
MAJCOM	Major Command
MCS	Mobility Capabilities Study
MDS	Mission Design Series
MilCon	Military Construction
MOA	Memorandum of Agreement
MOS	Maintenance Operations Squadron
MOU	Memorandum of Understanding
MRT	Maintenance Recovery Team
MSCA	Military Support to Civilian Authorities
MSO	Military Service Obligation
MWS	Missile Warning System
MXG	Maintenance Group
MXS	Maintenance Squadron

Acronym	Term
NAF	Numbered Air Force
NATO	North Atlantic Treaty Organization
NCO	Noncommissioned Officer
NEAS	New Expectations of ARC Service
NGAUS	National Guard Association of the United States
NGB	National Guard Bureau
NGB/CF	Office of the Director, ANG
NGREA	National Guard and Reserve Equipment Account
NMS	National Military Strategy
NORTHCOM	United States Northern Command
NSS	National Security Strategy
O & M	Operations and Maintenance
OASD(RA)	Office of the Assistant Secretary of Defense for Reserve Affairs
OCONUS	Outside the Continental United States
OCR	Operational Change Report
OEF	Operation ENDURING FREEDOM
OG	Operations Group
OIF	Operation IRAQI FREEDOM
ONE	Operation NOBLE EAGLE
OPCON	Operational Control
OPLAN	Operation Plan
OPR	Office of Primary Responsibility
OPTEMPO	Operations Tempo
ORI	Operational Readiness Inspection
OSA	Operational Support Airlift
OSD	Office of the Secretary of Defense
PA	Public Affairs
PA&E	Programs Assessment and Evaluation
PAA	Primary Aircraft Authorized
PACAF	Pacific Air Forces
PAF	Project Air Force
PBD	Program Budget Decision
PCR	Program Change Request
PCS	Permanent Change of Station
PDM	Program Decision Memorandum
PEM	Program Element Manager
PME	Professional Military Education
POM	Program Objective Memorandum
PPBES	Planning, Programming, Budgeting, and Execution System

Acronym	Term
PSRC	Presidential Select Reserve Call-up
QDR	Quadrennial Defense Review
R & D	Research and Development
RC	Reserve Component
RED HORSE	Rapid Engineer Deployable Heavy Operational Repair Squadron, Engineer
RFI	Request for Information
RFP	Request for Proposals
ROTC	Reserve Officers Training Corps
RQS	Rescue Squadron
RSOI	Reception, Staging, Onward Movement, and Integration
RUTA	Rescheduled Unit Training Assembly
RWR	Radar Warning Receiver
SAD	State Active Duty
SADL	Situation Awareness Data Link
SAFIRE	Surface to Air Fire
SAM	Surface-to-Air-Missile
SAR	Synthetic Aperture Radar
SASC	Senate Armed Service Committee
SATAF	Site Activation Task Force
SCIG	Strategic Communication Integration Group
SE	Office of Safety, ANG
SECAF	Secretary of the Air Force
SF	Security Forces
SG	Surgeon General
SLC	Senior Leadership Conference
SOFA	Status of Forces Agreement
SUTA	Split Unit Training Assembly
TACC	Tanker Airlift Control Center
TACP	Tactical Air Control Party
TAG	The Adjutant General
TAI	Total Active Inventory
TARS	Tactical / Theater Airborne Reconnaissance System
TCTO	Time Compliance Technical Order
TEC	Training and Education Center
TFI	Total Force Integration
TRS	TRICARE Reserve Select
TST	Time Sensitive Target

Acronym	Term
UAS	Unmanned Aerial System
UAV	Unmanned Aerial Vehicle
UCI	Unit Compliance Inspection
UCMJ	Uniform Code of Military Justice
UMD	Unit Manning Document
UPL	Unfunded Priority List
USAFE	United States Air Forces, Europe
USAFR	United States Air Force Reserve
USD (P&R)	Under Secretary of Defense for Personnel and Readiness
USNORTHCOM	United States Northern Command
USTRANSCOM	US Transportation Command
UTA	Unit Training Assembly
UTC	Unit Type Code
WFHQ	Warfighting Headquarters
WMD-CST	Weapons of Mass Destruction – Civil Support Team

